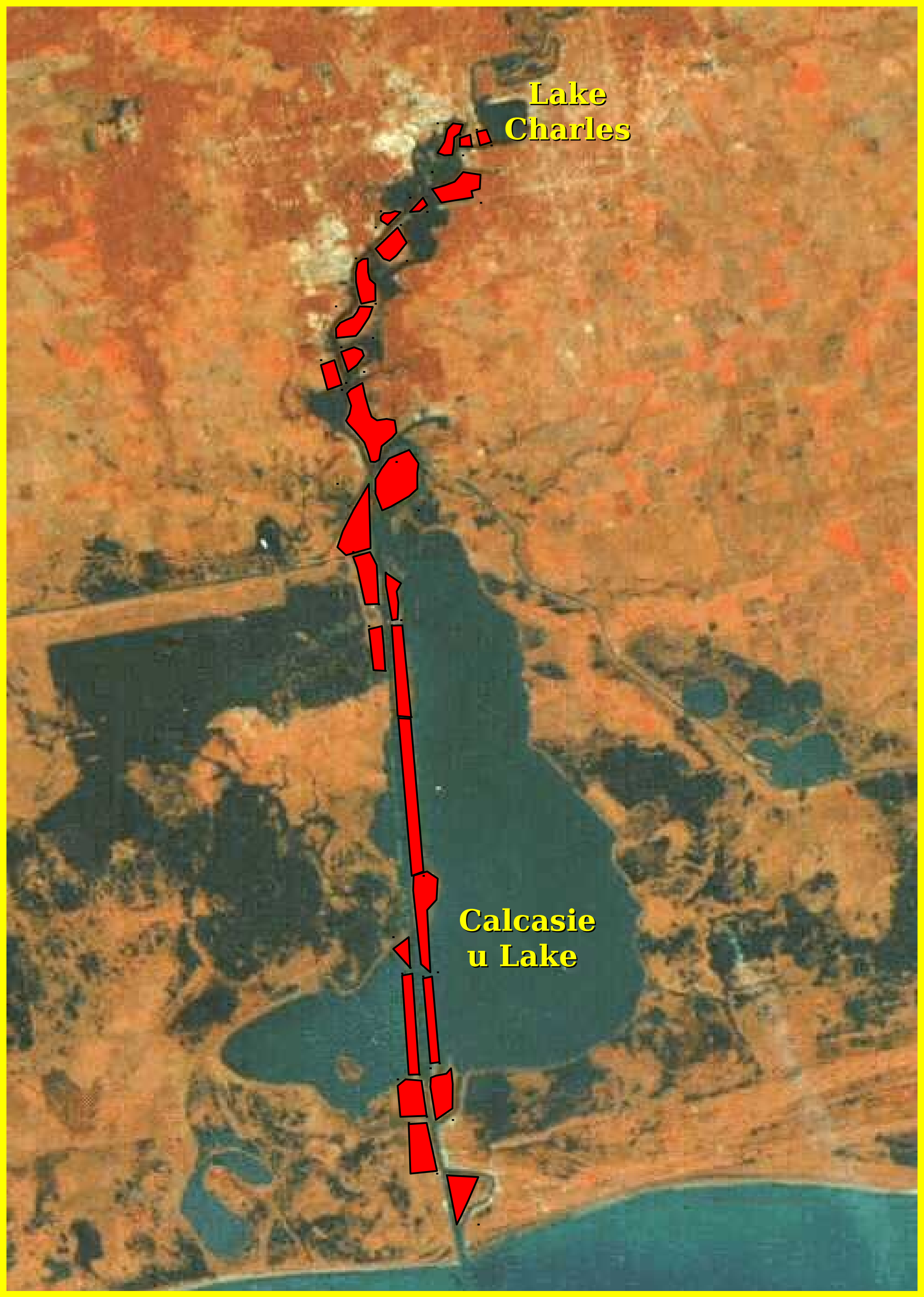
New Orleans District

Calcasieu River and Pass, LA Project

Disposal Area History

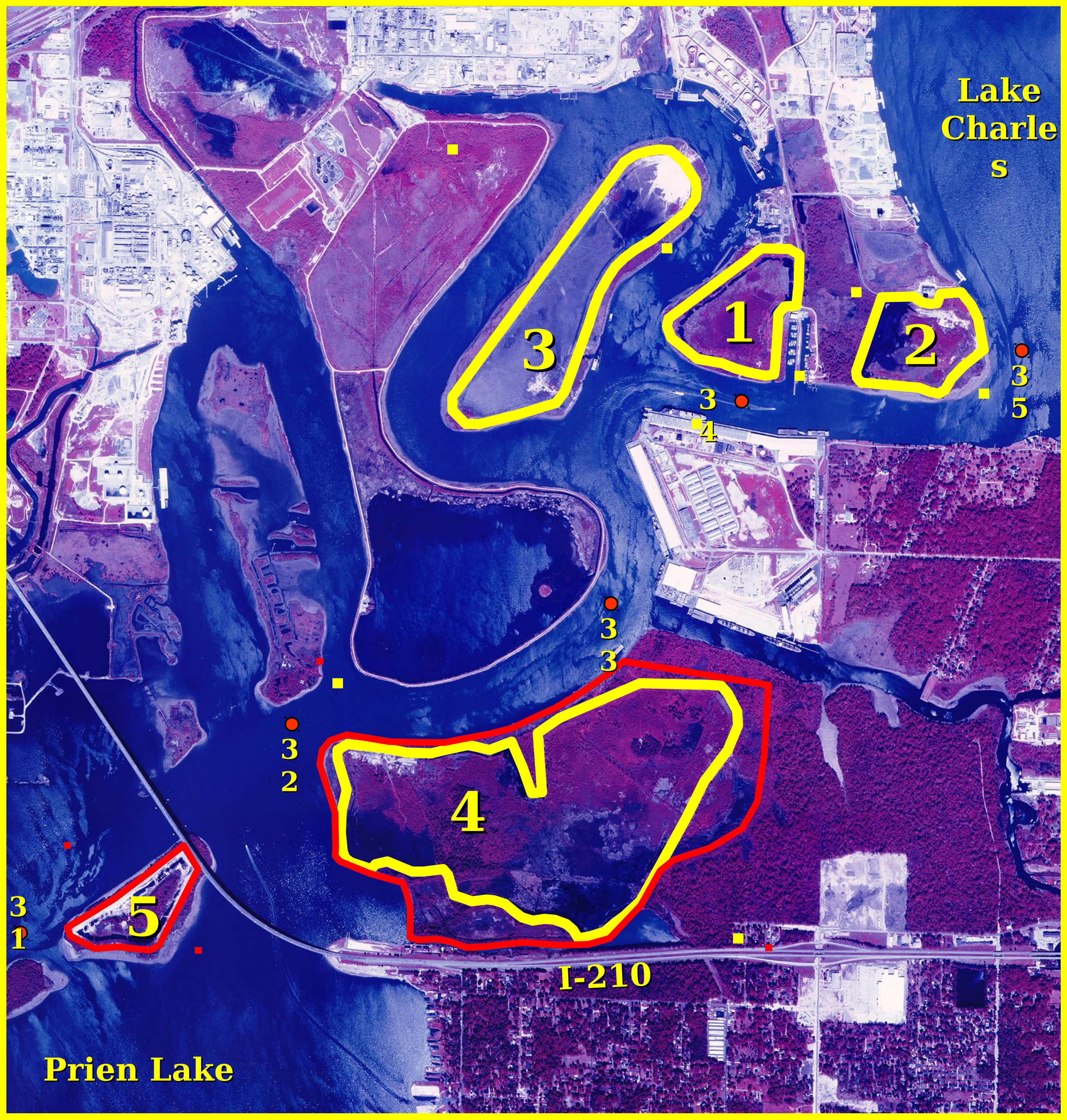
Mississippi River
Calcasieu River


Lake Charles
Calcasieu Lake

Upland Confined Disposal Areas

1. In use since construction of the ship channel.
2. Not all disposal areas used since construction.

CALCASIEU RIVER DISPOSAL

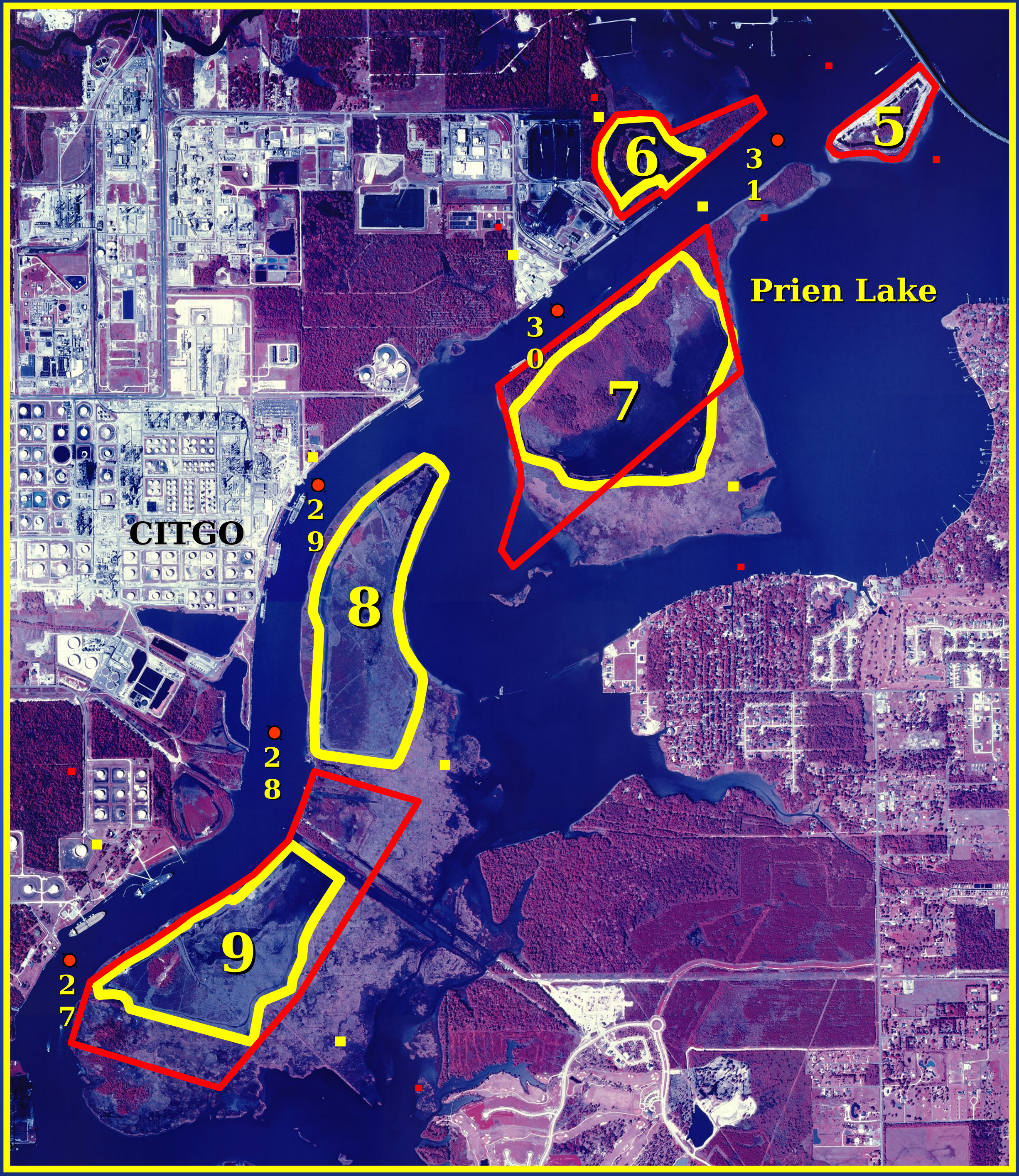

Lake Charles
3
1
2
35
34
33
32
4
31
5
I-210
Prien Lake

Mile 35 to Mile 31

🟨 Historically Used Portion

🟥 Environmentally Cleared Disposal Area Boundary

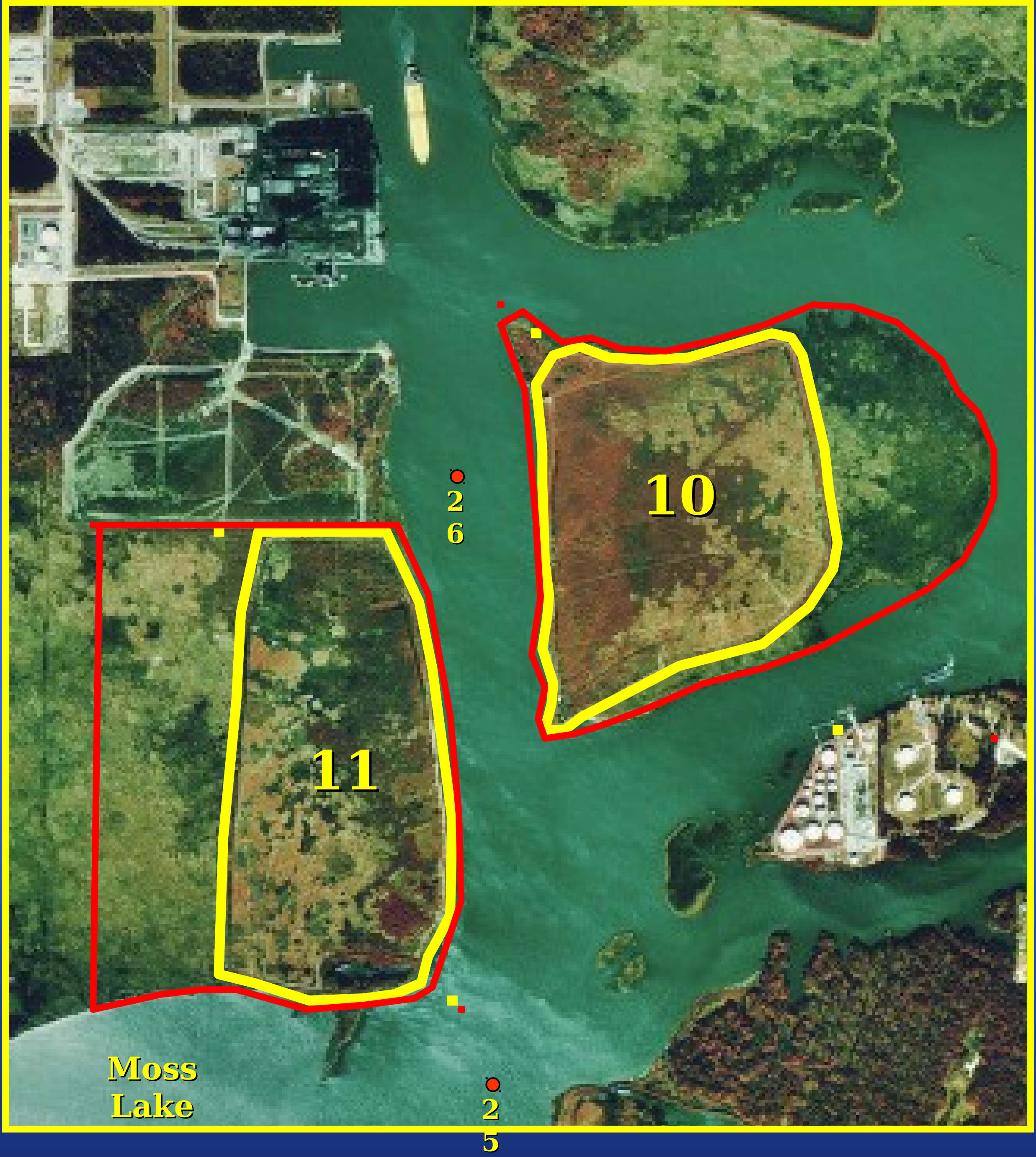
Mile 31 to Mile 27


5
6
31
7
30
Prien Lake
29
CITGO
8
28
9
27

🟨 Historically Used Portion

🟥 Environmentally Cleared Disposal Area Boundary

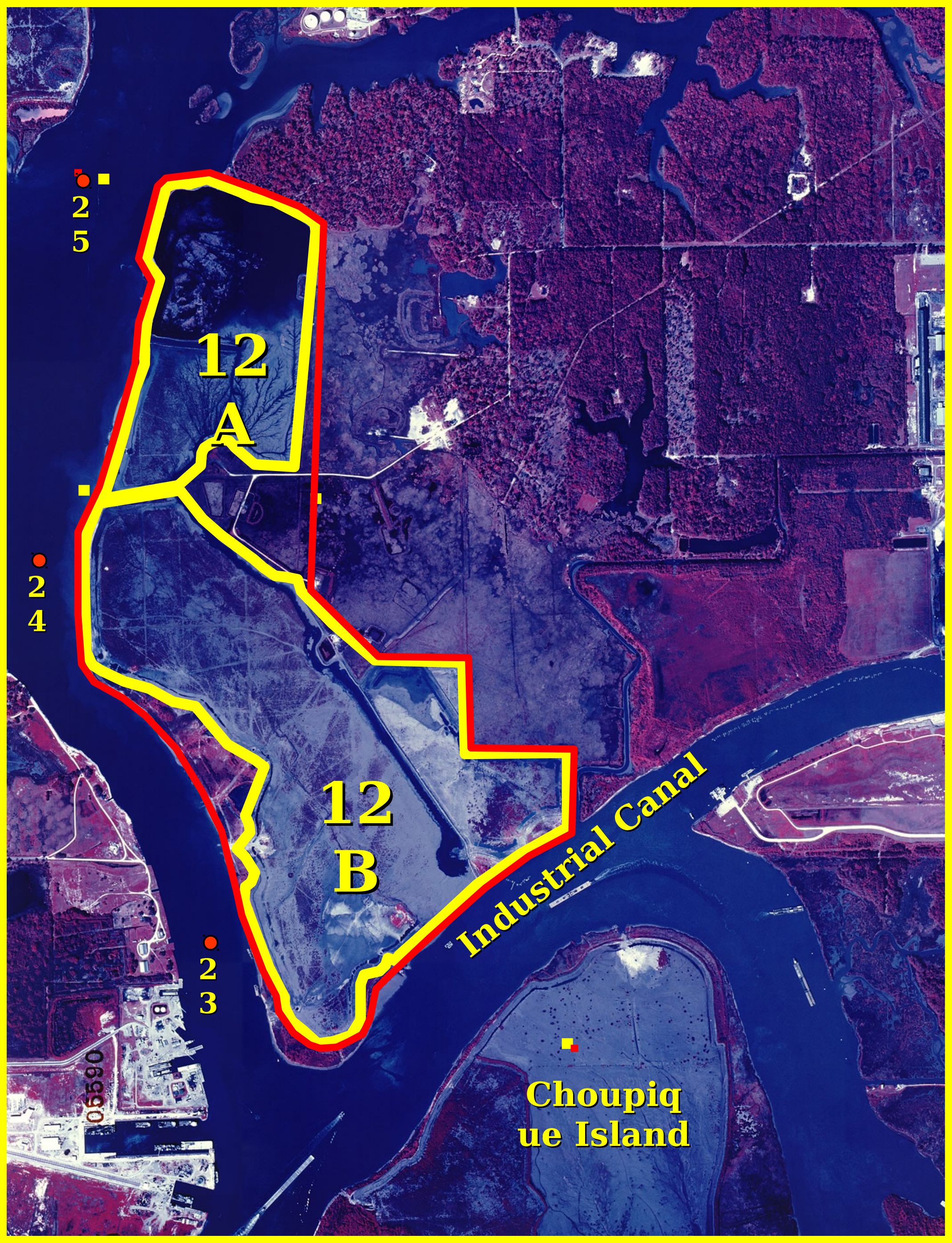
Mile 26 to Mile 25


10
11
26
25
Moss Lake

🟨 Historically Used Portion

🟥 Environmentally Cleared Disposal Area Boundary

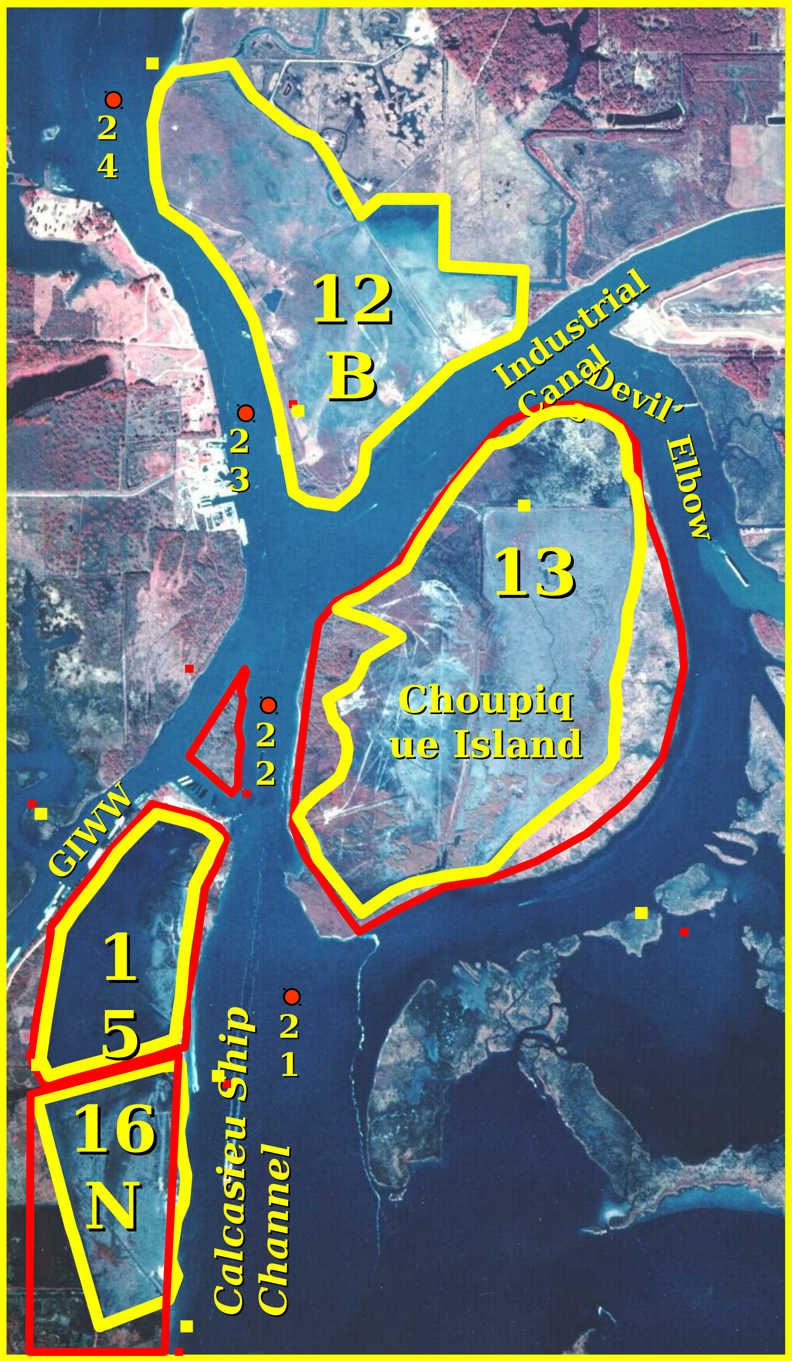
Mile 25 to Mile 23


25
12 A
24
12 B
Industrial Canal
23
05590
Choupique Island

🟨 **Historically Used Portion**

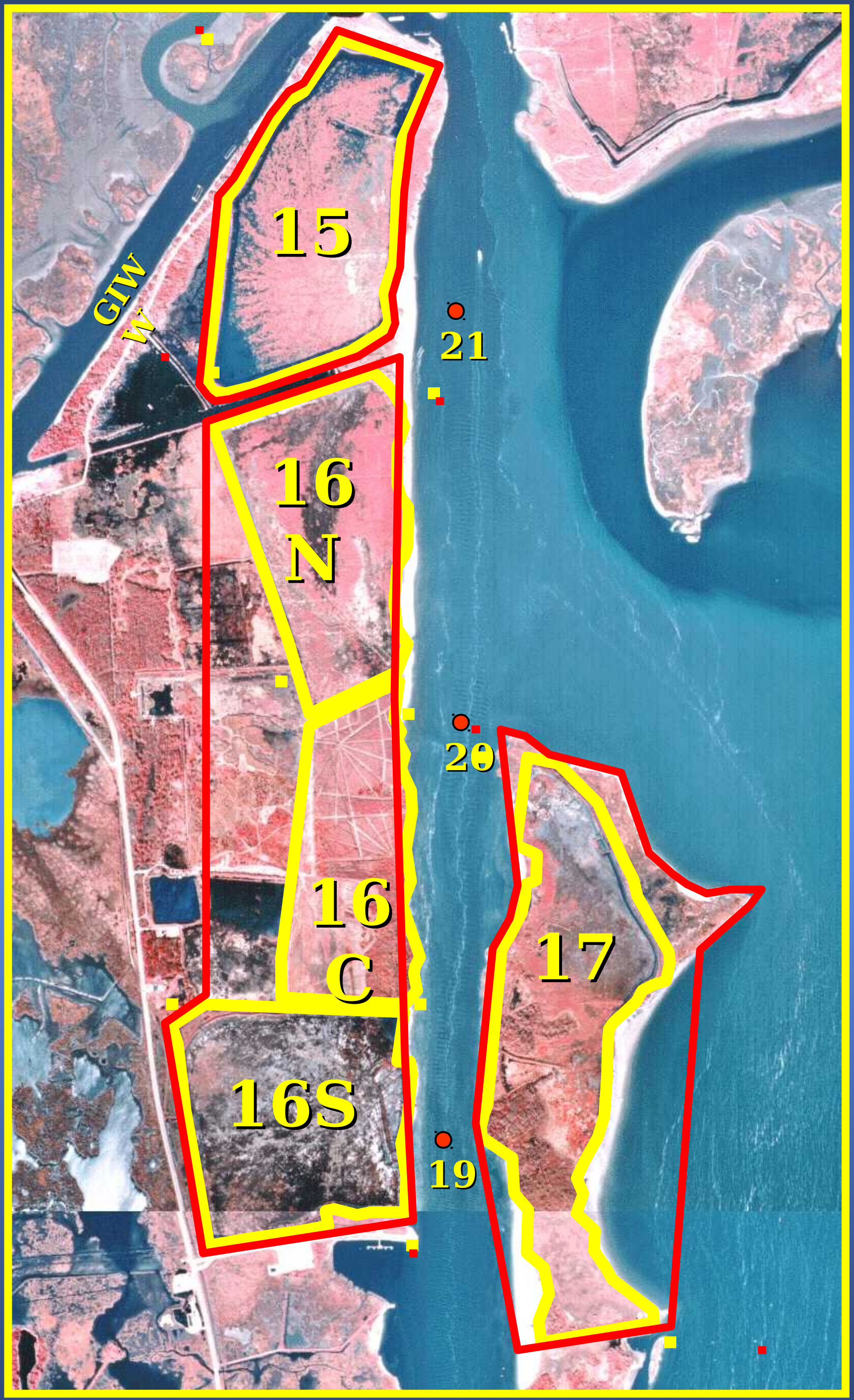
🟥 **Environmentally Cleared Disposal Area Boundary**

Mile 24 to Mile 21


24
12B
Industrial Canal
Devil's Elbow
23
13
Choupique Island
22
GIWW
15
21
16N
Calcasieu Ship Channel

🟨 **Historically Used Portion**

🟥 **Environmentally Cleared Disposal Area Boundary**

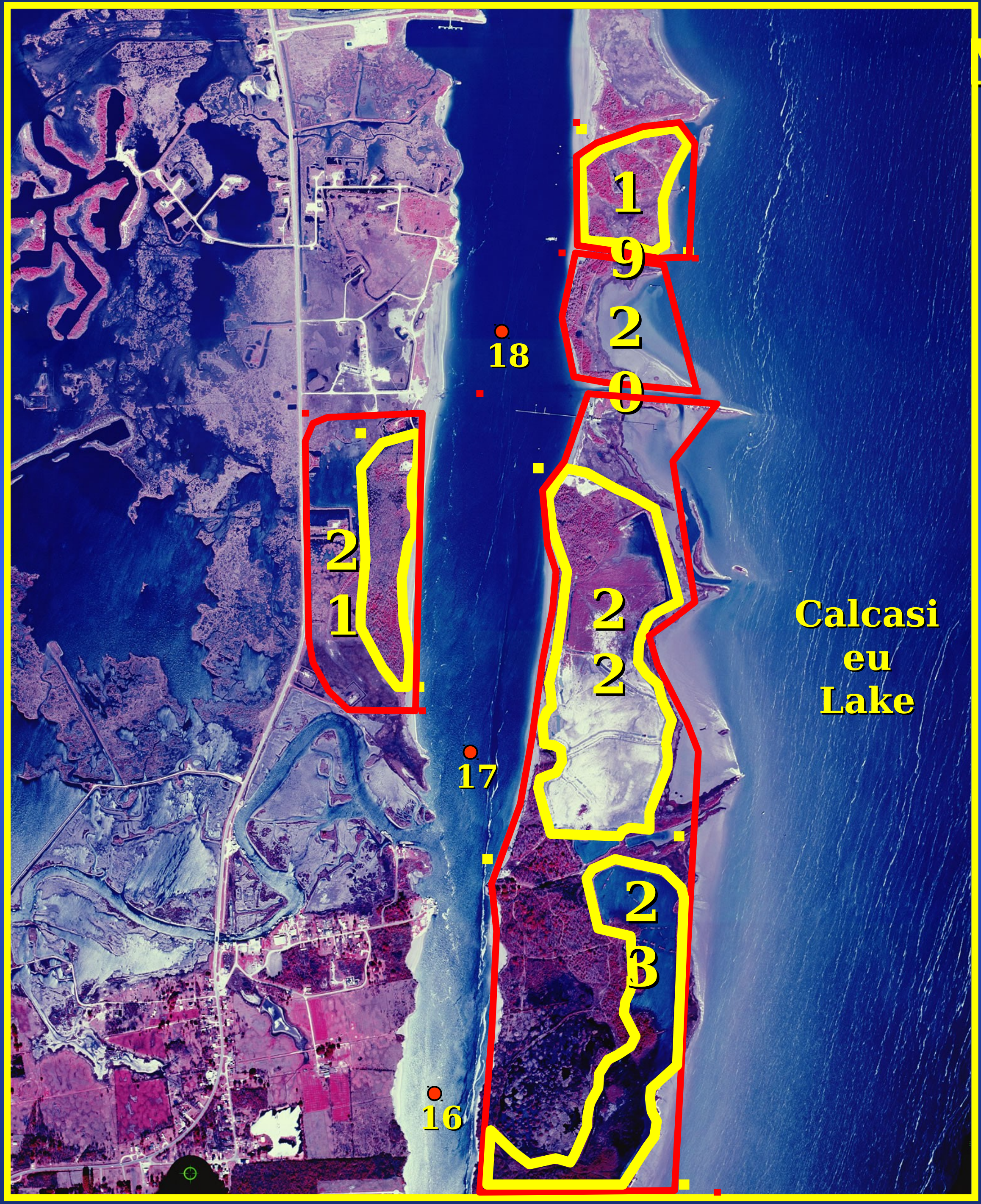

15
GIWW
21
16 N
20
16 C
17
16S
19

Mile 21 to Mile 19

🟨 Historically Used Portion

🟥 Environmentally Cleared Disposal Area Boundary

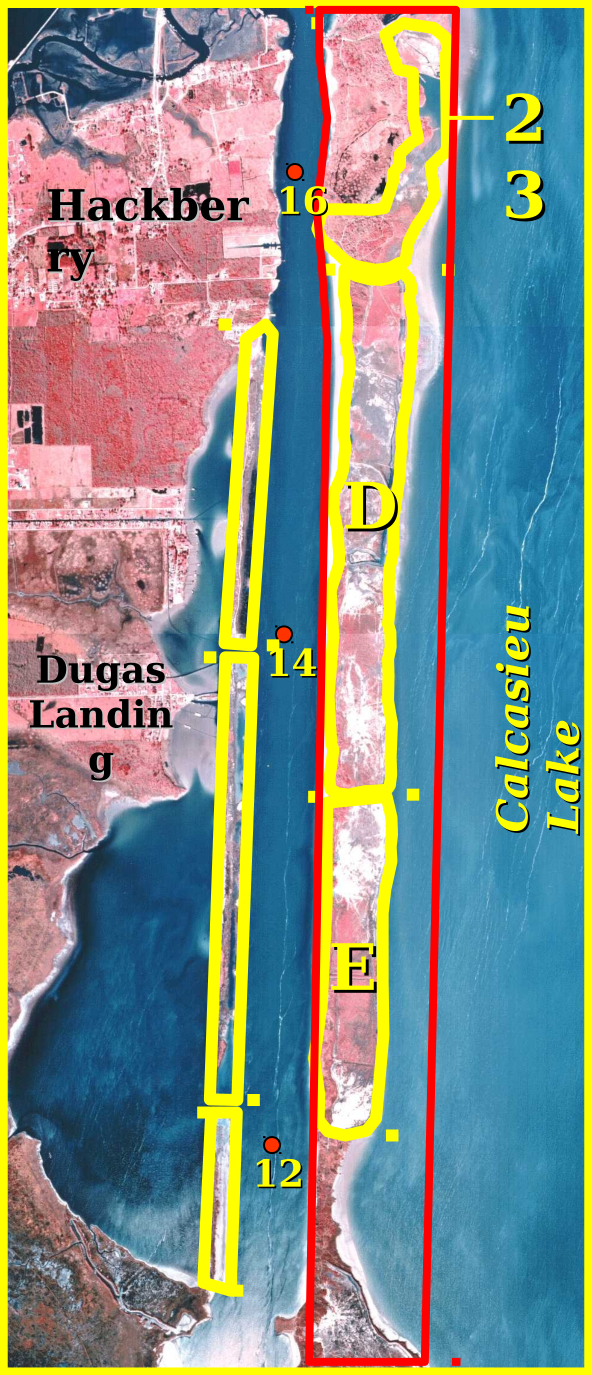
Mile 19 to Mile 16


19
20
18
21
22
Calcasieu Lake
17
23
16

🟨 **Historically Used Portion**

🟥 **Environmentally Cleared Disposal Area Boundary**

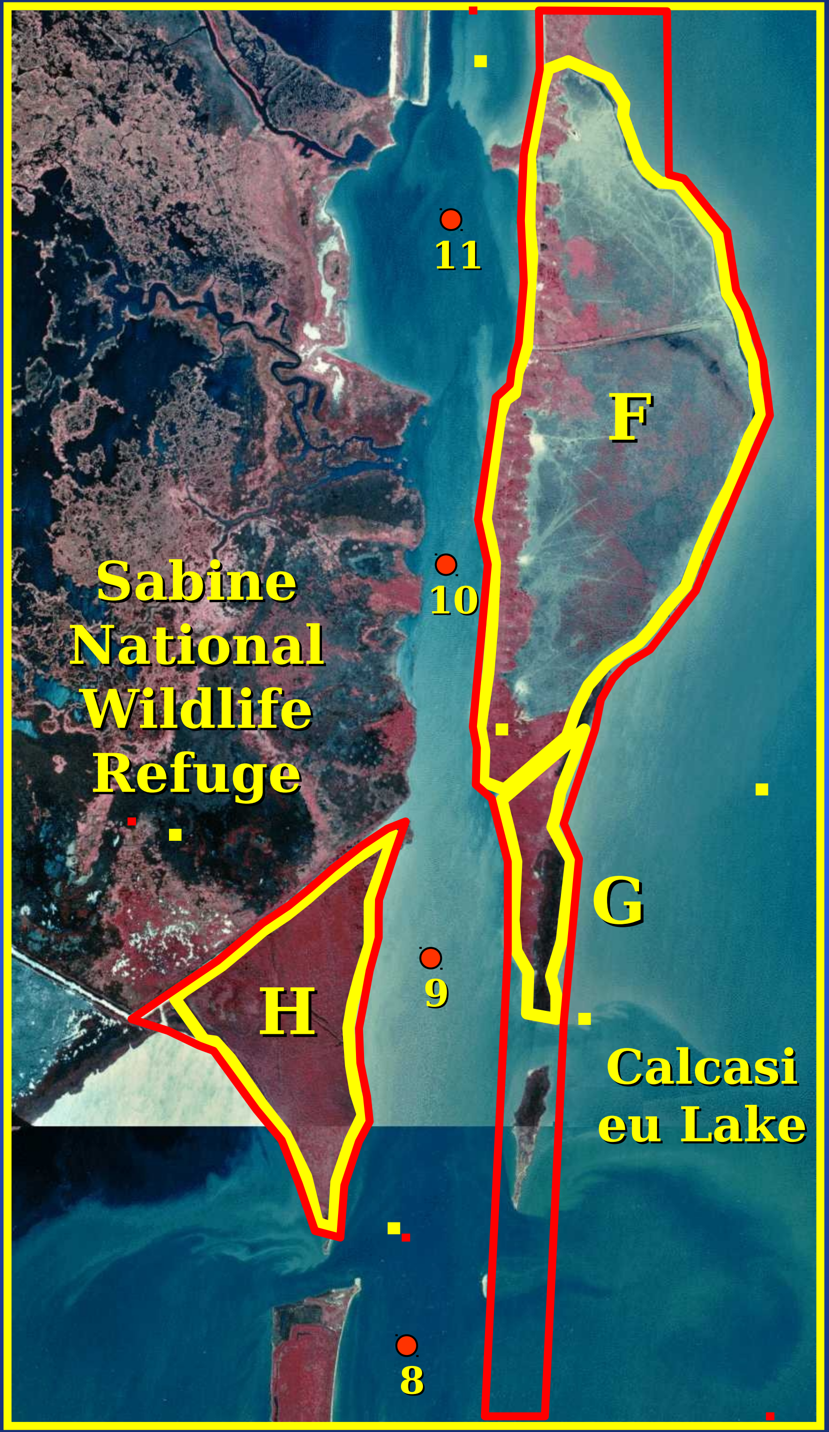
Mile 16 to Mile 12


23
Hackberry
16
D
14
Dugas Landing
E
12
Calcasieu Lake

🟨 Historically Used Portion

🟥 Environmentally Cleared Disposal Area Boundary

Mile 11 to Mile 8

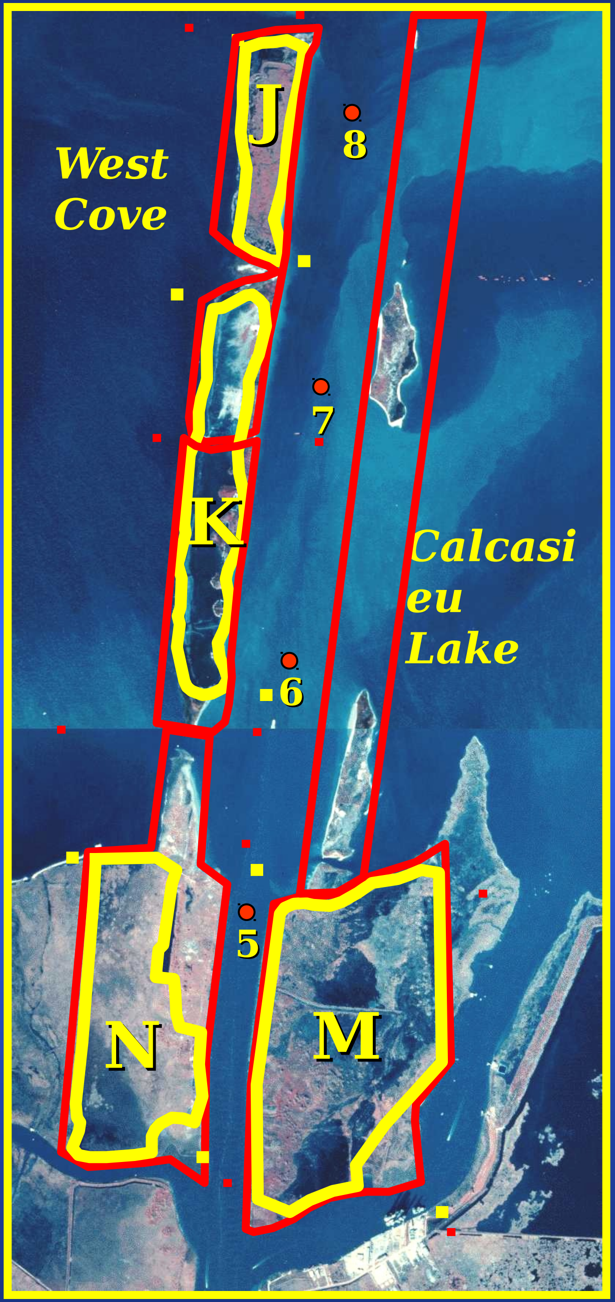


11
10
9
8
F
G
H
Sabine National Wildlife Refuge
Calcasieu Lake

🟨 Historically Used Portion

🟥 Environmentally Cleared Disposal Area Boundary

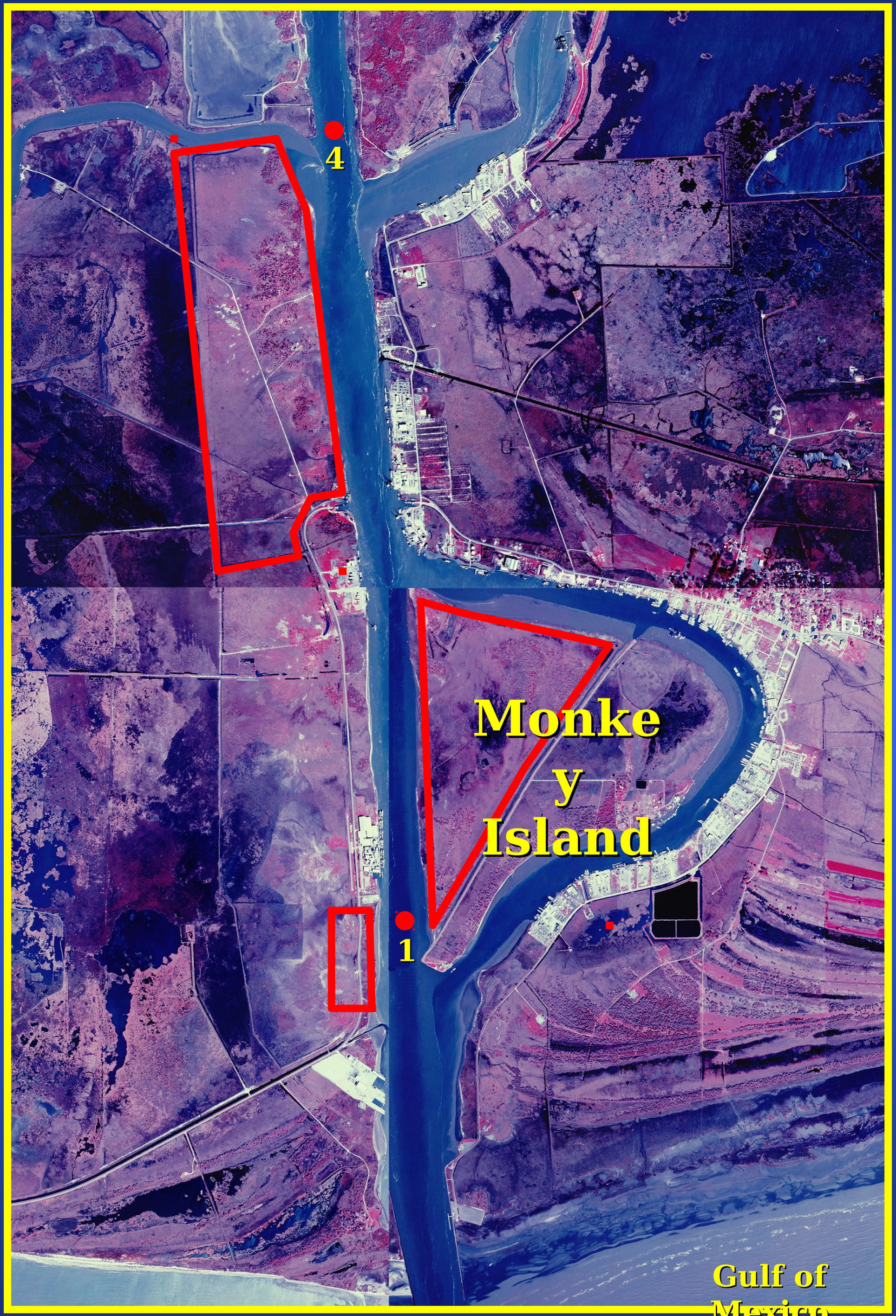
Mile 8 to Mile 4


J
8
West Cove
7
K
Calcasieu Lake
6
5
N
M

🟨 **Historically Used Portion**

🟥 **Environmentally Cleared Disposal Area Boundary**

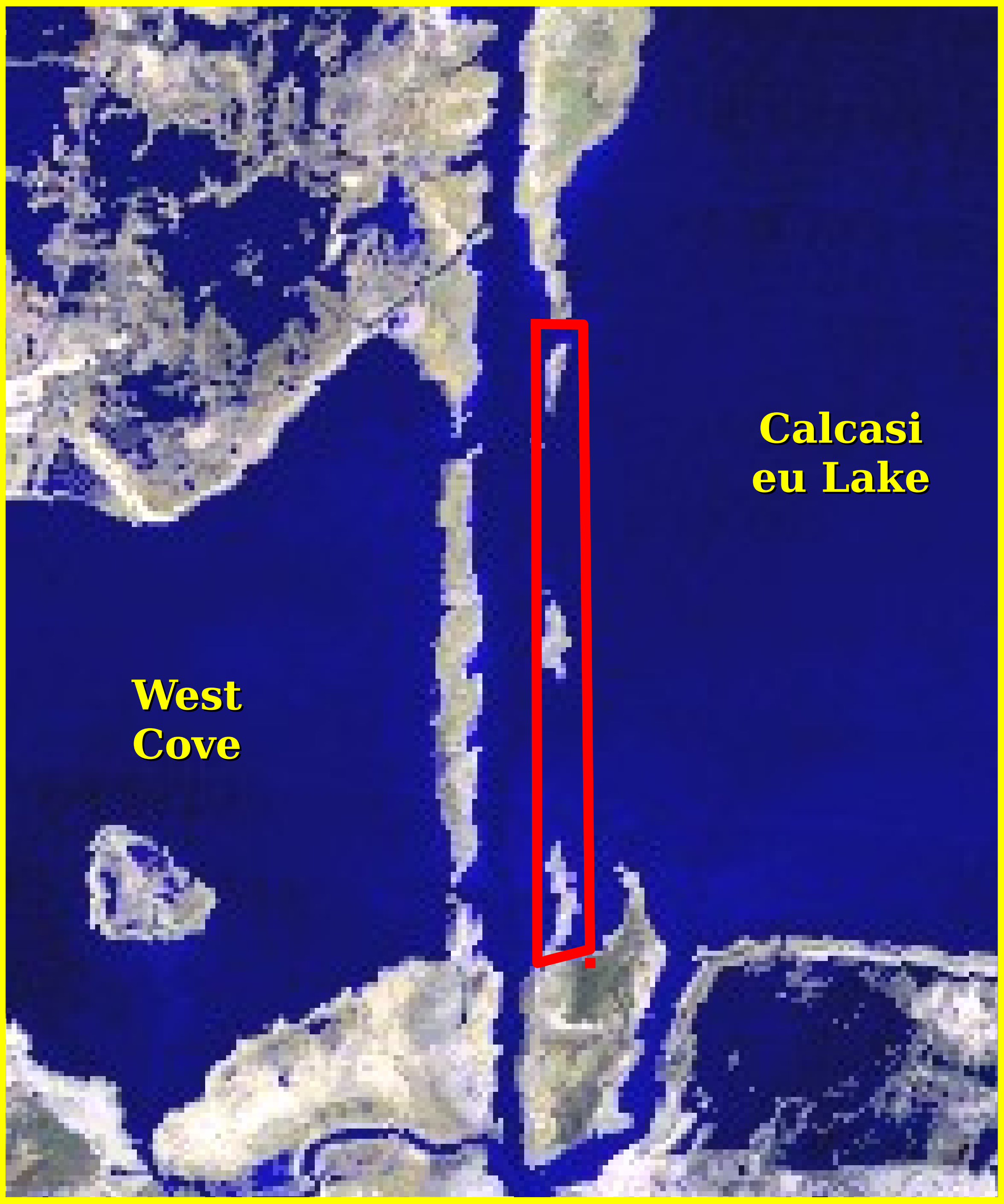
Mile 4 to Mile 1


4
Monkey Island
1
Gulf of Mexico

☐ Environmentally Cleared Disposal Area Boundary

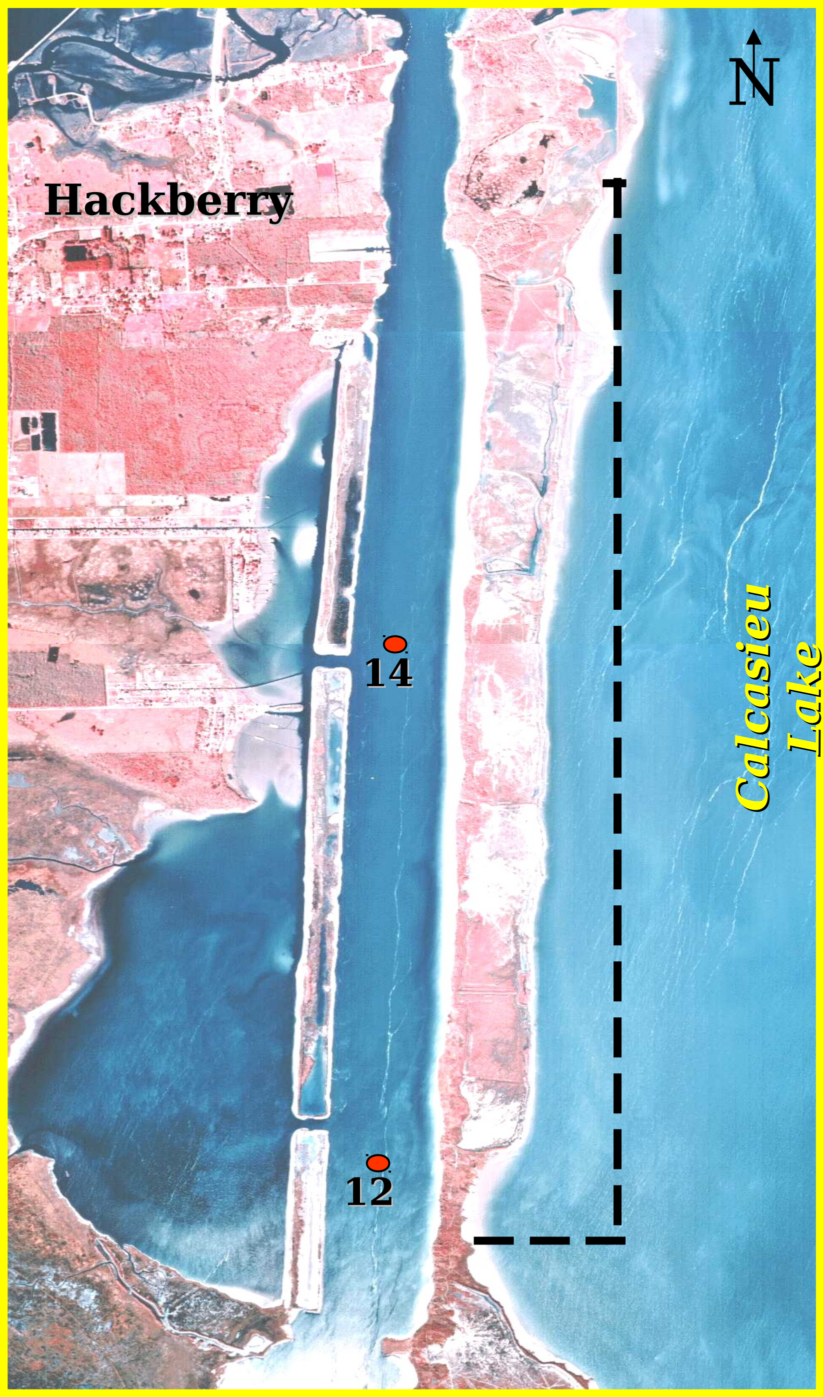
Calcasieu River Disposal Area Events

- **1970s - CEMVN abandons use of confined DA's on LDB between Mile 9 and Mile 5 at the request of local fish and wildlife interests. The lakeside dikes kept eroding and allowed DM to escape into Calcasieu Lake and the channel.**


Calcasieu Lake
West Cove

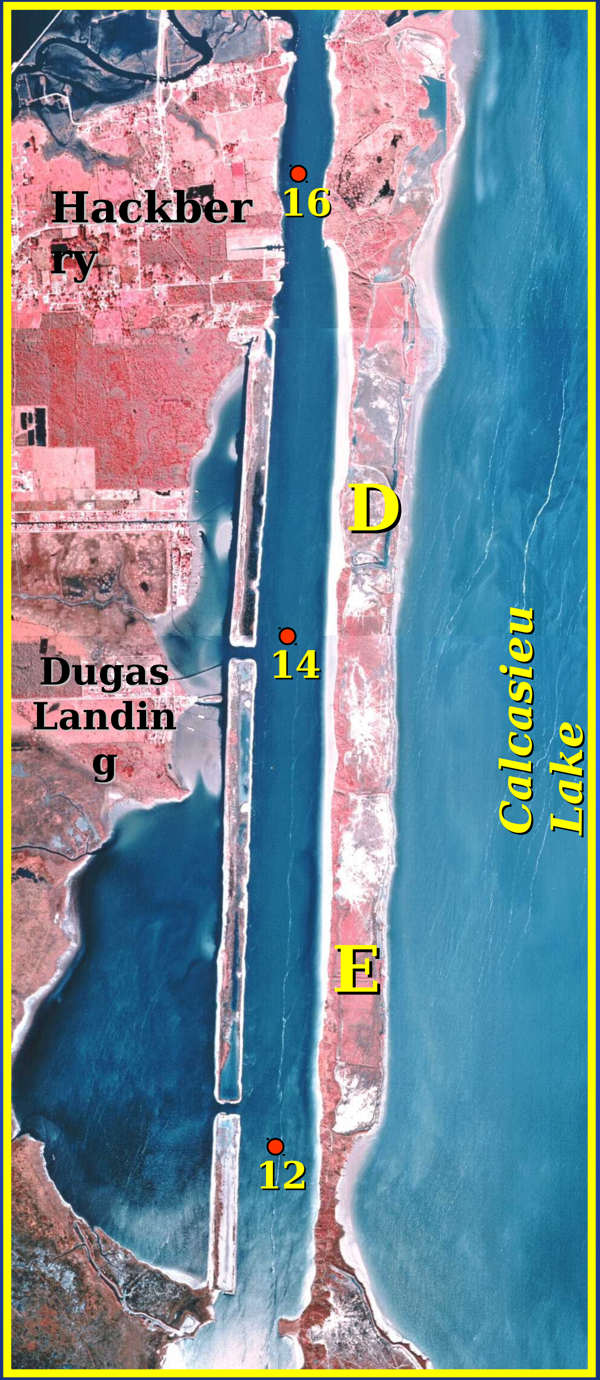
Calcasieu River Disposal Areas

- **1970s - CEMVN abandons use of confined DA's on LDB between Mile 9 and Mile 5 at the request of local fish and wildlife interests. The lakeside dikes kept eroding and allowed DM to escape into Calcasieu Lake and the channel.**
- **1970s - Placement of dredged material in the shallow open water component of the lakeside DA's was discontinued because of recurring failure of the lakeside retaining dikes due to wave erosion effects from the lake.**


N
Hackberry
14
12
Calcasieu Lake

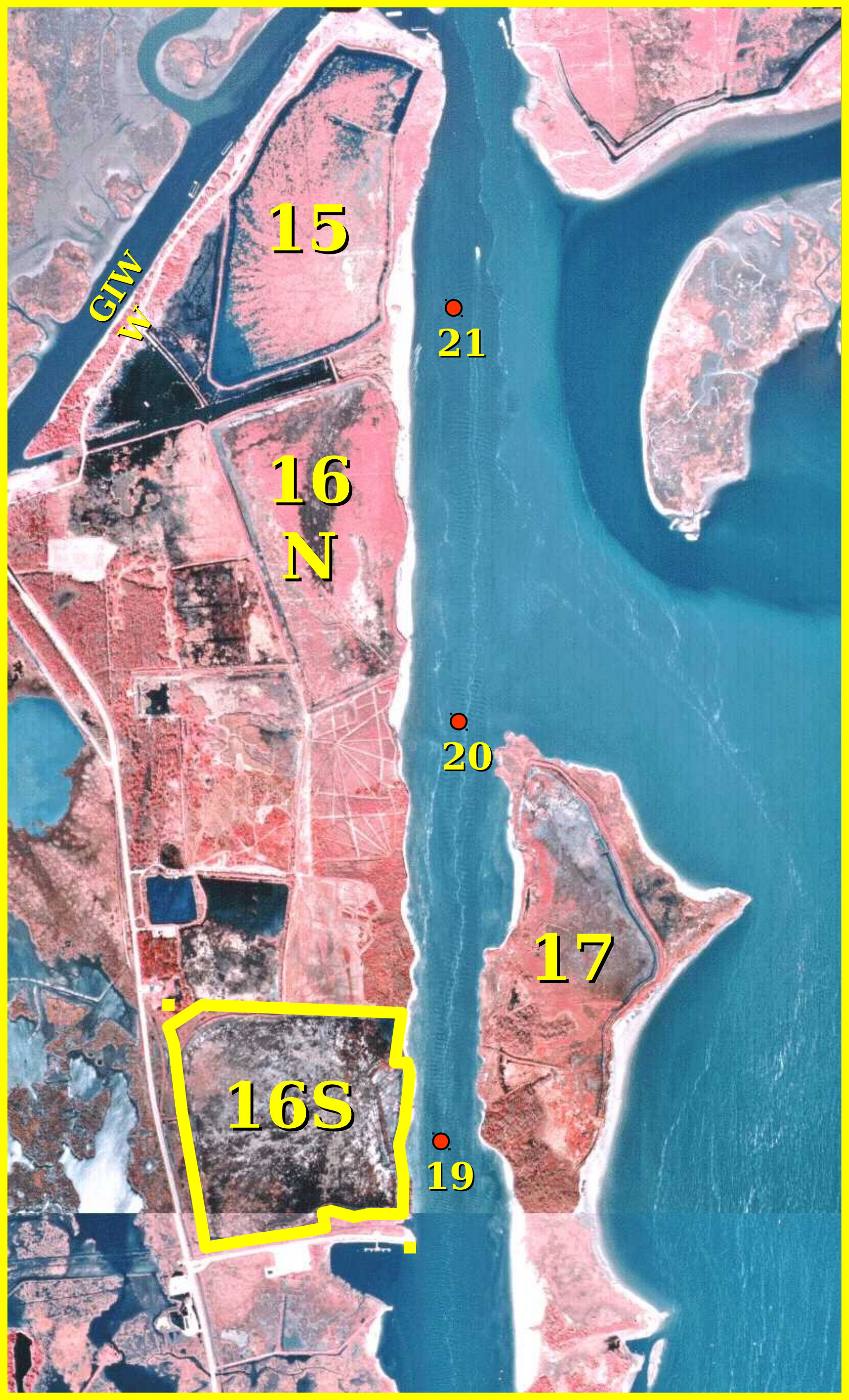
Calcasieu River Disposal Areas

- 1970s - CEMVN abandons use of confined DA's on LDB between Mile 9 and Mile 5 at the request of local fish and wildlife interests. The lakeside dikes kept eroding and allowed DM to escape into Calcasieu Lake and the channel.
- 1970s - Placement of dredged material in the shallow open water component of the lakeside DA's was discontinued because of recurring failure of the lakeside retaining dikes due to wave erosion effects from the lake.
- 1996 - Failure of several lakeside DA retention dikes.


Hackberry
16
D
14
Dugas Landing
E
12
Calcasieu Lake

Calcasieu River Disposal Areas

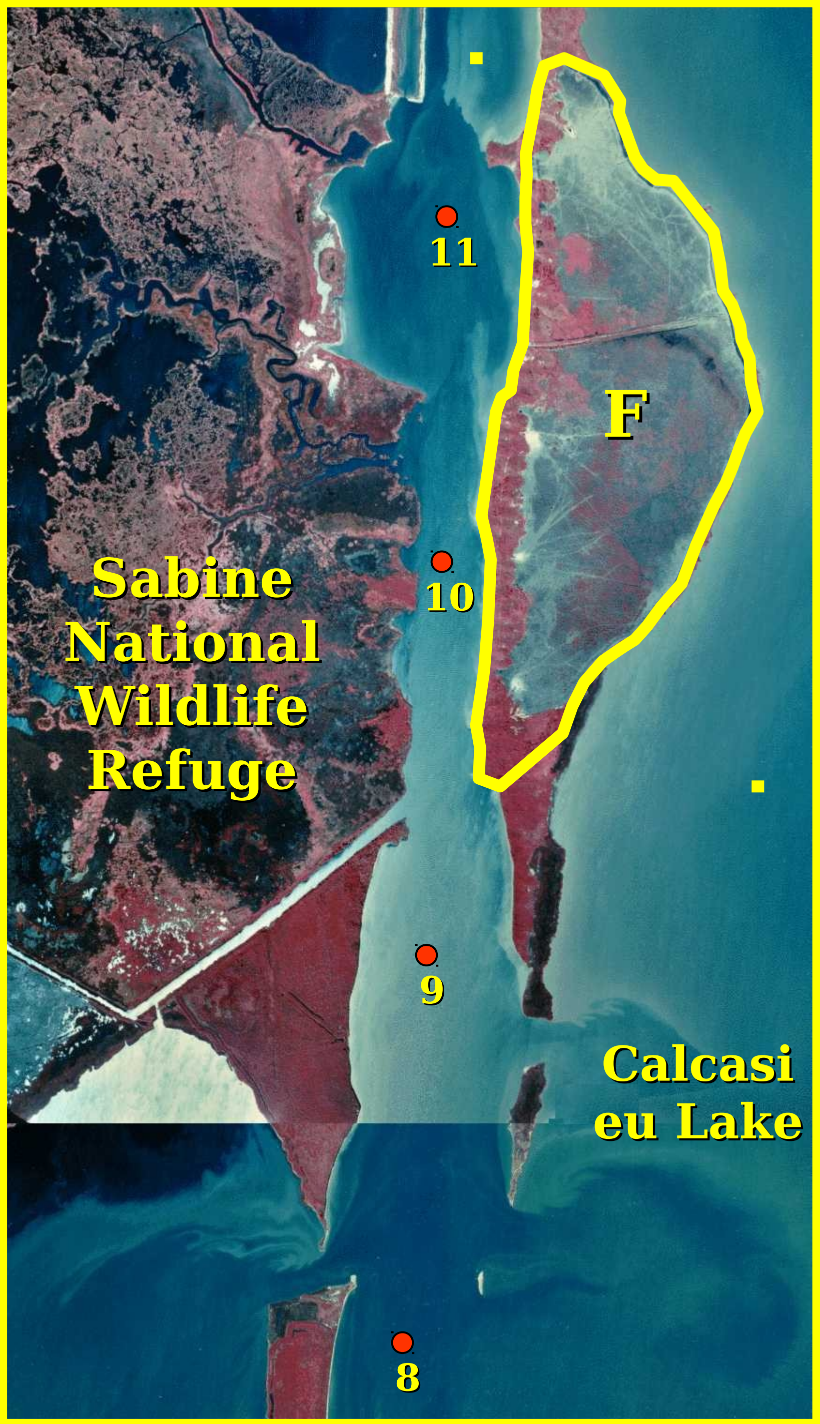
- **1970s - CEMVN abandons use of confined DA’s on LDB between Mile 9 and Mile 5 at the request of local fish and wildlife interests. The lakeside dikes kept eroding and allowed DM to escape into Calcasieu Lake and the channel.**
- **1970s - Placement of dredged material in the shallow open water component of the lakeside DA’s was discontinued because of recurring failure of the lakeside retaining dikes due to wave erosion effects from the lake.**
- **1996 - Failure of several lakeside DA retention dikes.**
- **2001 - loss of portion of DA 16 as landowner reclaimed.**


GIWW
15
21
16
N
20
17
16S
19

Calcasieu River Disposal Areas

- **1970s - CEMVN abandons use of confined DA's on LDB between Mile 9 and Mile 5 at the request of local fish and wildlife interests. The lakeside dikes kept eroding and allowed DM to escape into Calcasieu Lake and the channel.**
- **1970s - Placement of dredged material in the shallow open water component of the lakeside DA's was discontinued because of recurring failure of the lakeside retaining dikes due to wave erosion effects from the lake.**
- **1996 - Failure of several lakeside DA retention dikes.**
- **2001 - loss of portion of DA 16 as landowner reclaimed.**
- **31 Dec 2001 - USFWS revokes permission to use DA F.**

Mile 11 to Mile 8

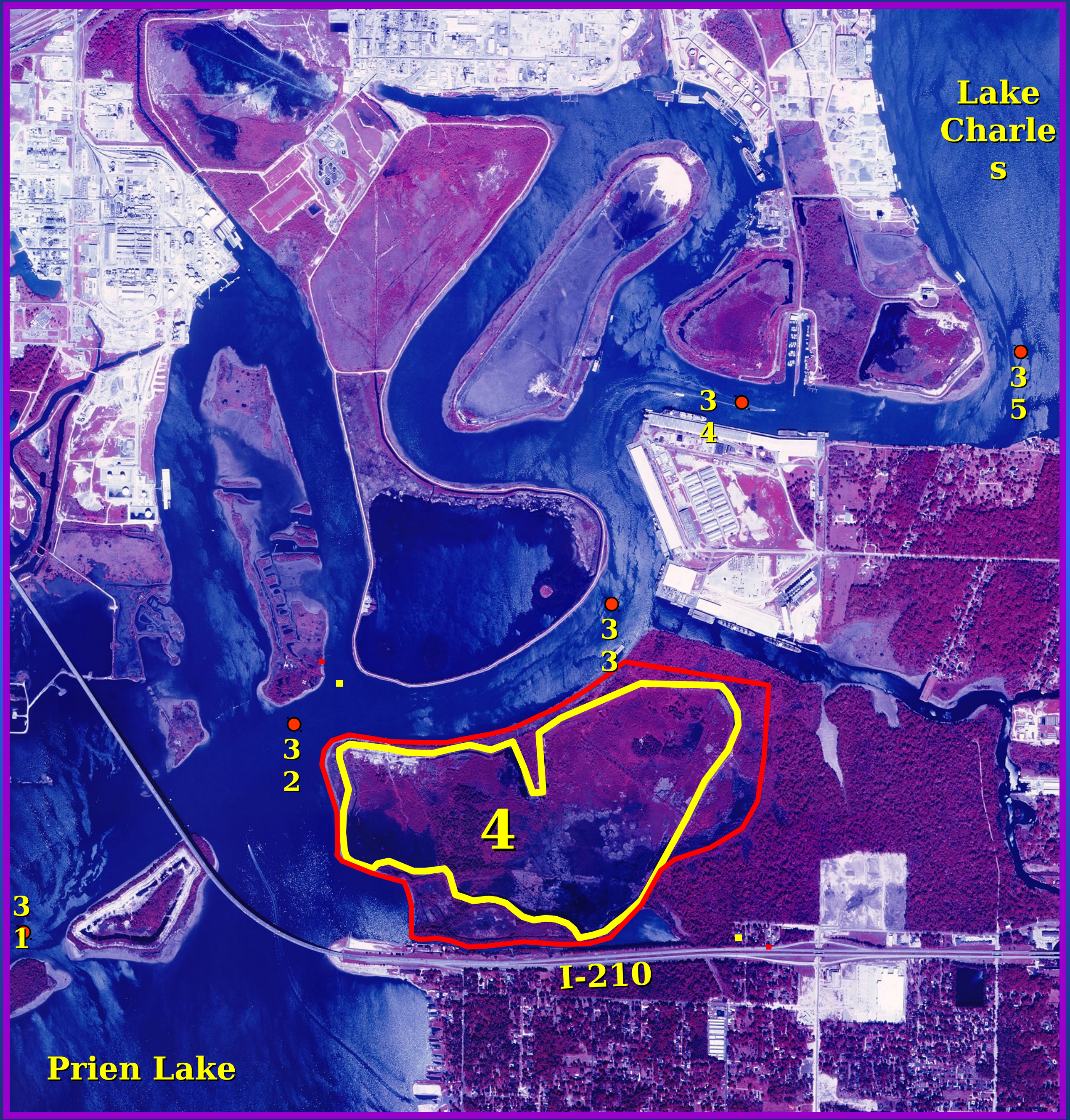

11
F
10
Sabine National Wildlife Refuge
9
Calcasieu Lake
8

▭ Historically Used Portion

Calcasieu River Disposal Areas

- 1970s - CEMVN abandons use of confined DA's on LDB between Mile 9 and Mile 5 at the request of local fish and wildlife interests. The lakeside dikes kept eroding and allowed DM to escape into Calcasieu Lake and the channel.
- 1970s - Placement of dredged material in the shallow open water component of the lakeside DA's was discontinued because of recurring failure of the lakeside retaining dikes due to wave erosion effects from the lake.
- 1996 - Failure of several lakeside DA retention dikes.
- 2001 - loss of portion of DA 16 as landowner reclaimed.
- 31 Dec 2001 - USFWS revokes permission to use DA F.
- 2002 – Port of Lake Charles reclaims portion of DA 4.

CALCASIEU RIVER DISPOSAL

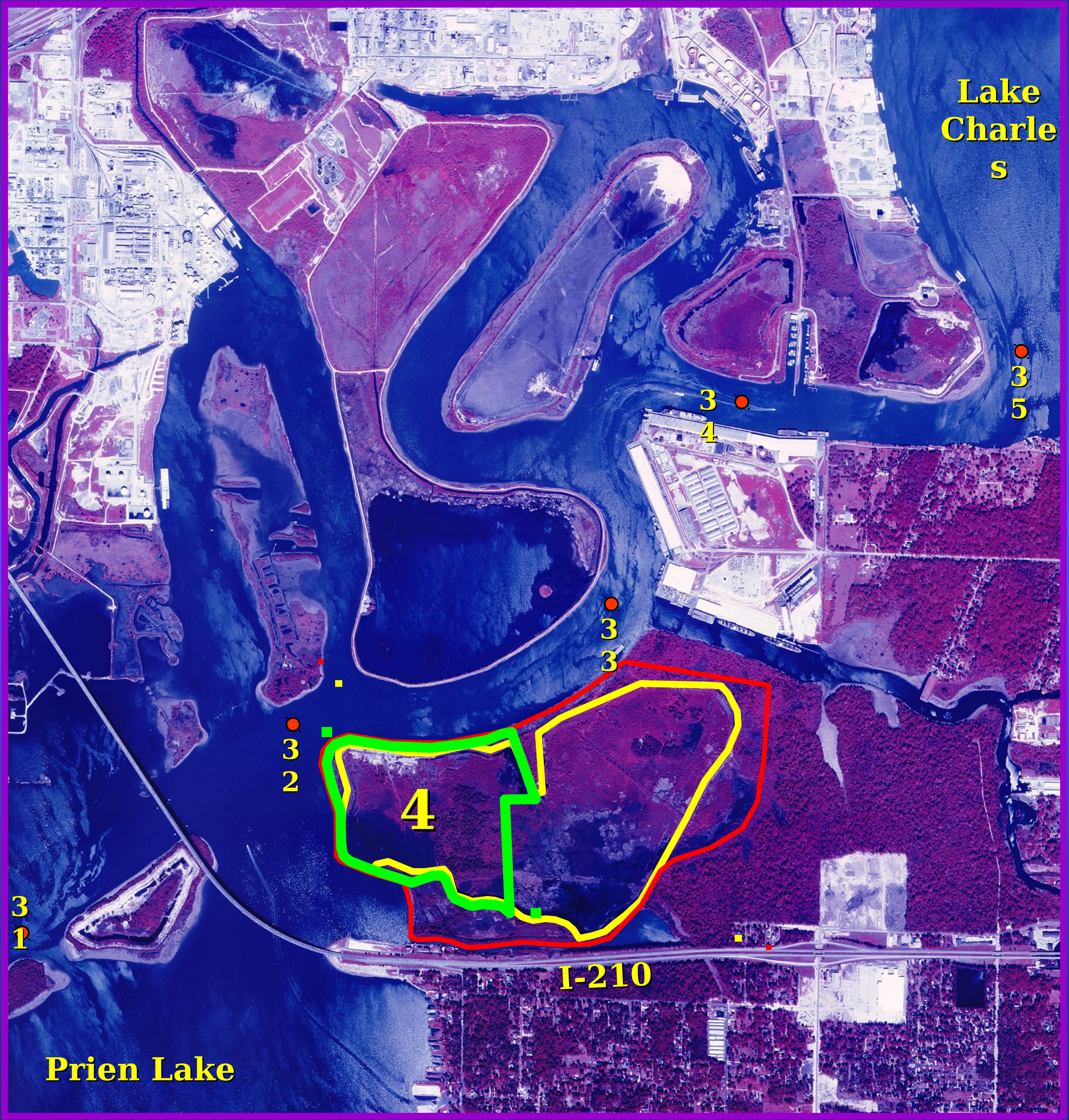

Lake Charles
35
34
33
32
31
4
I-210
Prien Lake

Mile 35 to Mile 31

🟨 Historically Used Portion

🟥 Environmentally Cleared Disposal Area Boundary

CALCASIEU RIVER DISPOSAL


Lake Charles
35
34
33
32
31
4
I-210
Prien Lake

Mile 35 to Mile 31

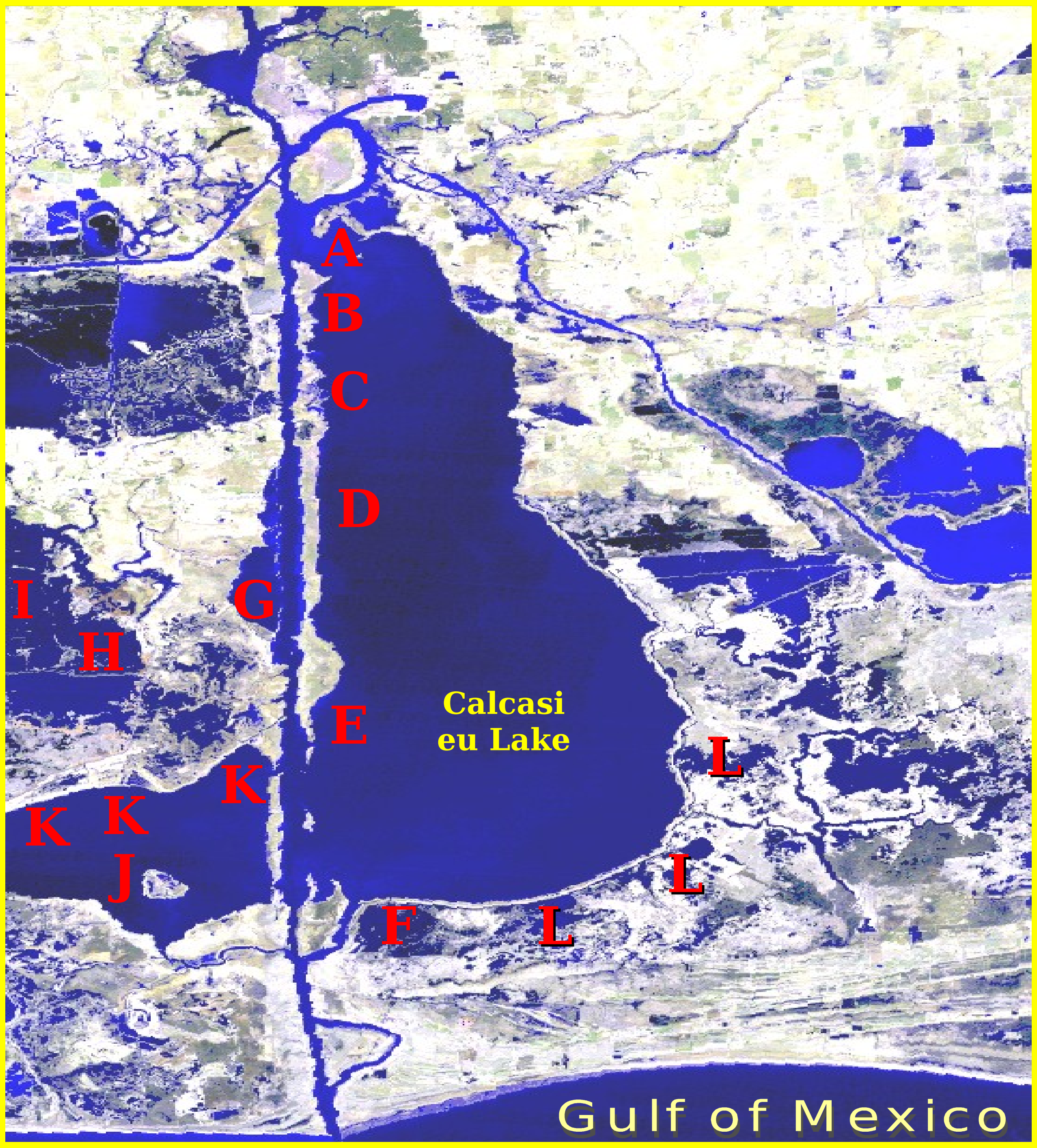
🟨 Historically Used Portion

🟥 Environmentally Cleared Disposal Area Boundary

🟩 Currently Available Portion

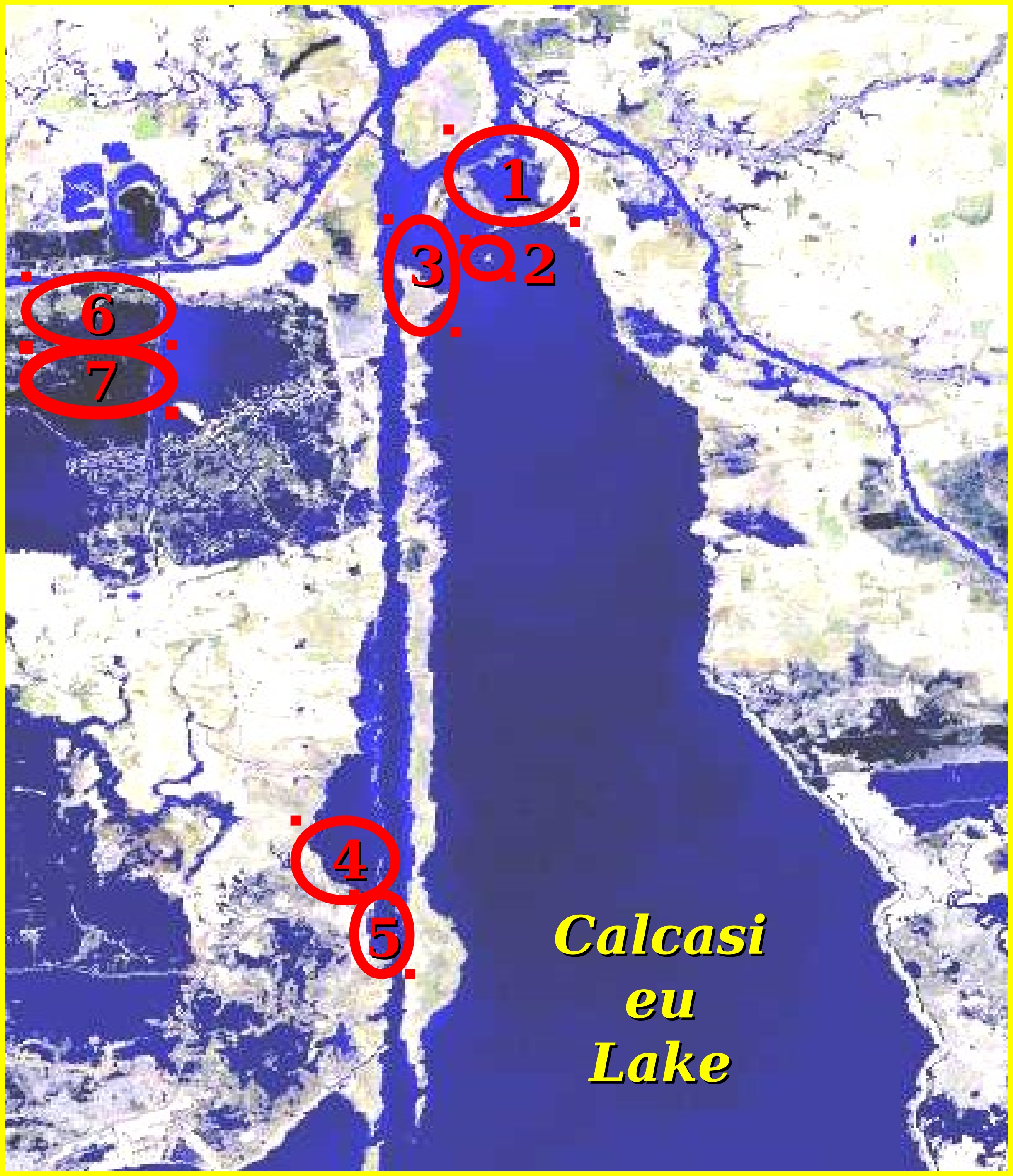
Efforts to Identify New Disposal Areas

- 1997 – Interagency meetings propose 12 new disposal areas
(only use of lakeside DA’s is agreeable to all, but with reservations).


A
B
C
D
G
I
H
E
Calcasi
eu Lake
L
K
K
K
J
L
F
L
Gulf of Mexico

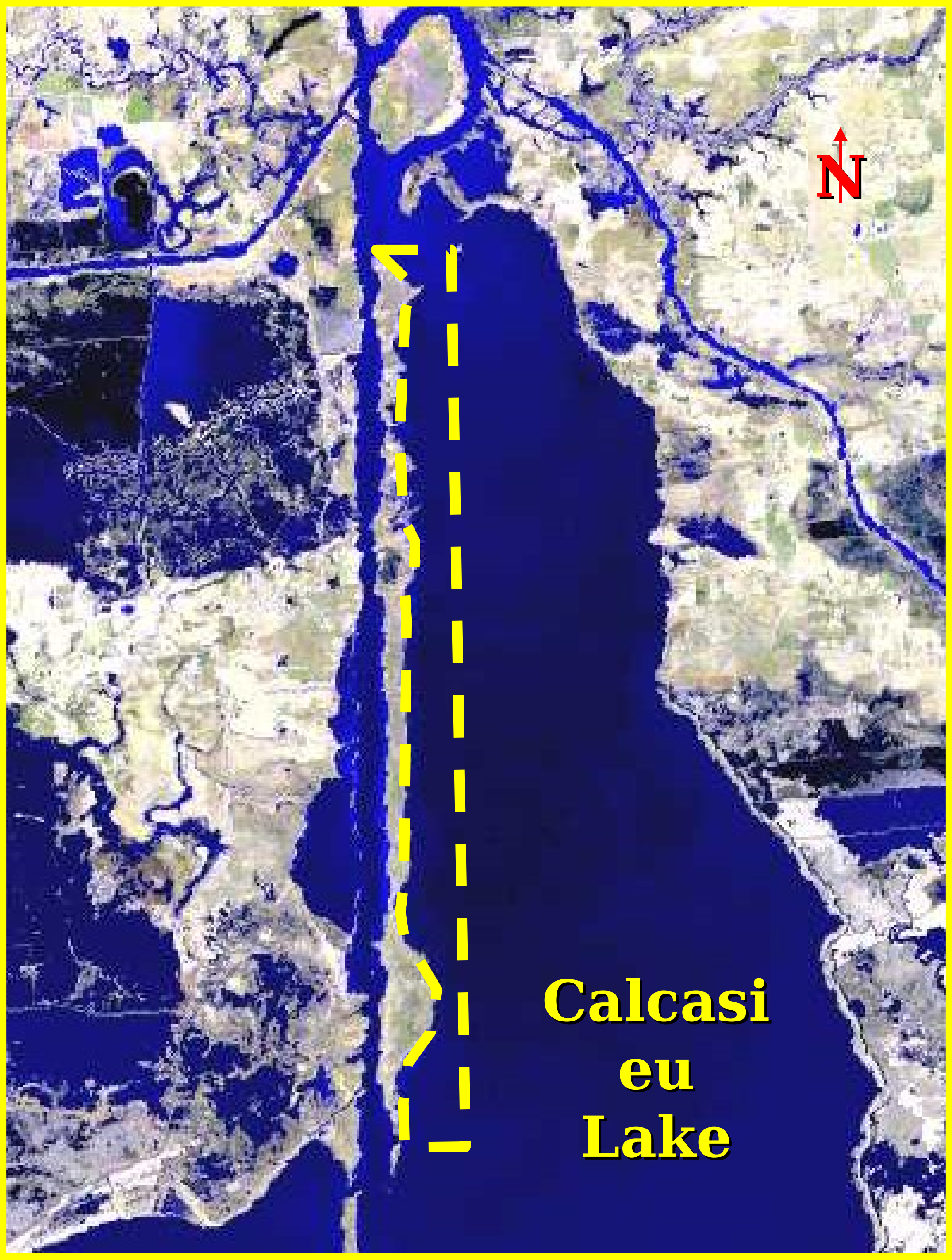
Efforts to Identify New Disposal Areas

- 1997 – Interagency meetings propose 12 new disposal areas
(only use of lakeside DA’s is agreeable to all, but with reservations)
- 2000 – interagency meeting to discuss 6 proposed beneficial use disposal areas.


1
2
3
6
7
4
5
Calcasi
eu
Lake

Efforts to Identify New Disposal Areas

- **1997 – Interagency meetings propose 12 new disposal areas (only use of lakeside DA's is agreeable to all, but with reservations)**
- **2000 – interagency meeting to discuss 6 proposed beneficial use disposal areas.**
- **8 Nov 2001 – Scoping Public Notice describing proposed reclamation/expansion of lakeside DA's.**


N
Calcasieu Lake

Efforts to Identify New Disposal Areas

- 1997 – Interagency meetings propose 12 new disposal areas
(only use of lakeside DA's is agreeable to all, but with reservations)
- 2000 – interagency meeting to discuss 6 proposed beneficial use disposal areas.
- 8 Nov 2001 – Scoping Public Notice describing proposed reclamation/expansion of lakeside DA's.
- 10 Jan 2002 – interagency meeting at LDWF to discuss Nov 2001 PN disposal plan.

Efforts to Identify New Disposal Areas

- 1997 – Interagency meetings propose 12 new disposal areas
(only use of lakeside DA’s is agreeable to all, but with reservations)
- 2000 – interagency meeting to discuss 6 proposed beneficial use disposal areas.
- 8 Nov 2001 – Scoping Public Notice describing proposed reclamation/expansion of lakeside DA’s..
- 10 Jan 2002 – interagency meeting at LWF to discuss Nov 2001 PN disposal plan.
- 26 Feb 2002 – public meeting to discuss Nov 2001 PN proposed disposal plan.

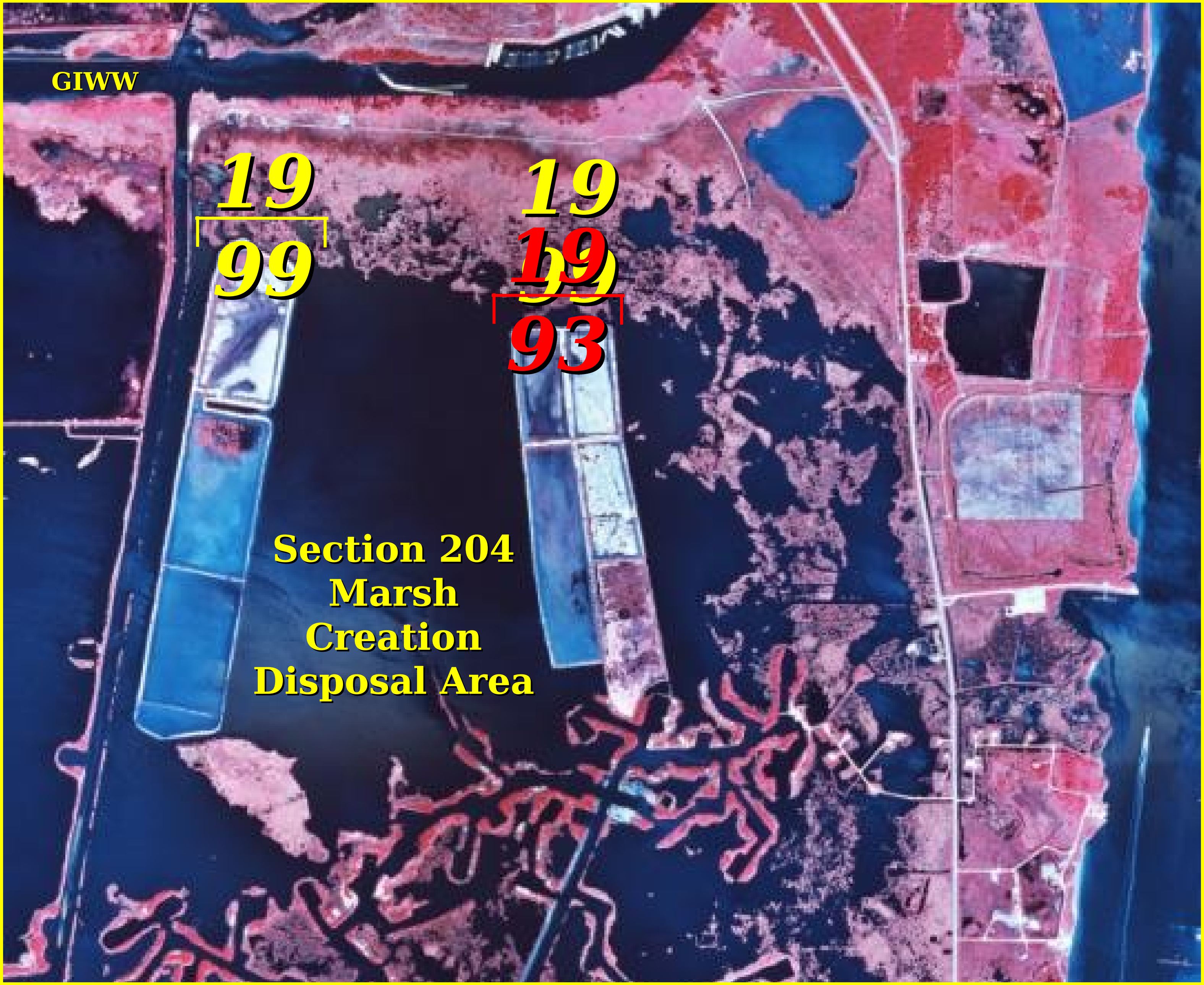
Efforts to Identify New Disposal Areas

- 1997 – Interagency meetings propose 12 new disposal areas (only use of lakeside DA's is agreeable to all, but with reservations)
- 2000 – interagency meeting to discuss 6 proposed beneficial use disposal areas.
- 8 Nov 2001 – Scoping Public Notice describing proposed reclamation/expansion of lakeside DA's.
- 10 Jan 2002 – interagency meeting at LWF to discuss Nov 2001 PN disposal plan.
- 26 Feb 2002 – public meeting to discuss Nov 2001 PN proposed disposal plan.
- 27 Feb 2002 – 1st Task Force meeting with agencies and local interests discussing proposed disposal plans for the Calcasieu River project.

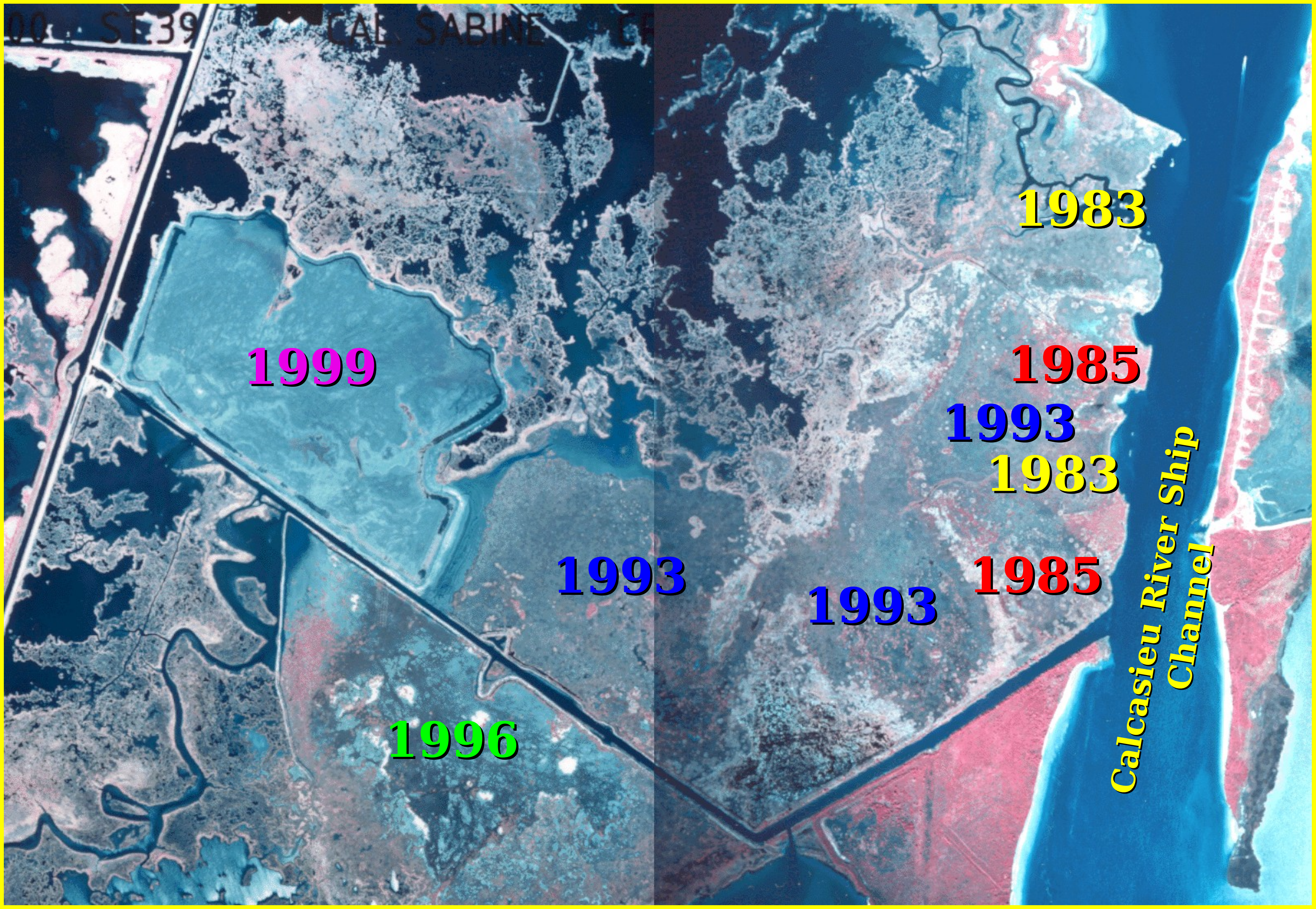
Beneficial Use of Dredged Material Disposal Areas

1. Brown’s Lake
2. Sabine National Wildlife Refuge

Brown's

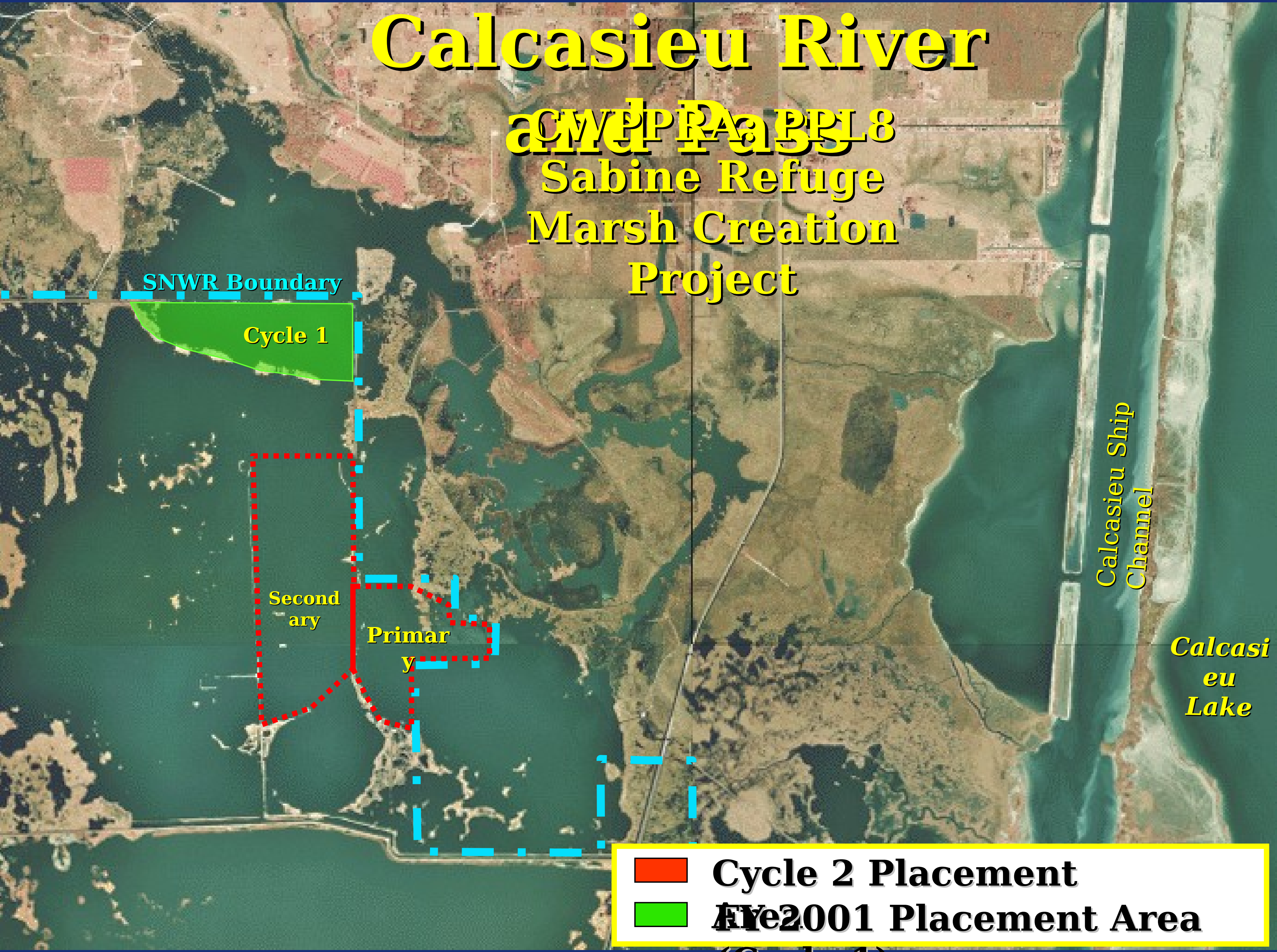

GIWW
1999
1999
1993
Section 204
Marsh
Creation
Disposal Area

Calcasieu River and Pass
Sabine National Wildlife Refuge
Beneficial Use of Dredged Material


1983
1999
1985
1993
1983
1993
1985
1993
1996
Calcasieu River Ship Channel

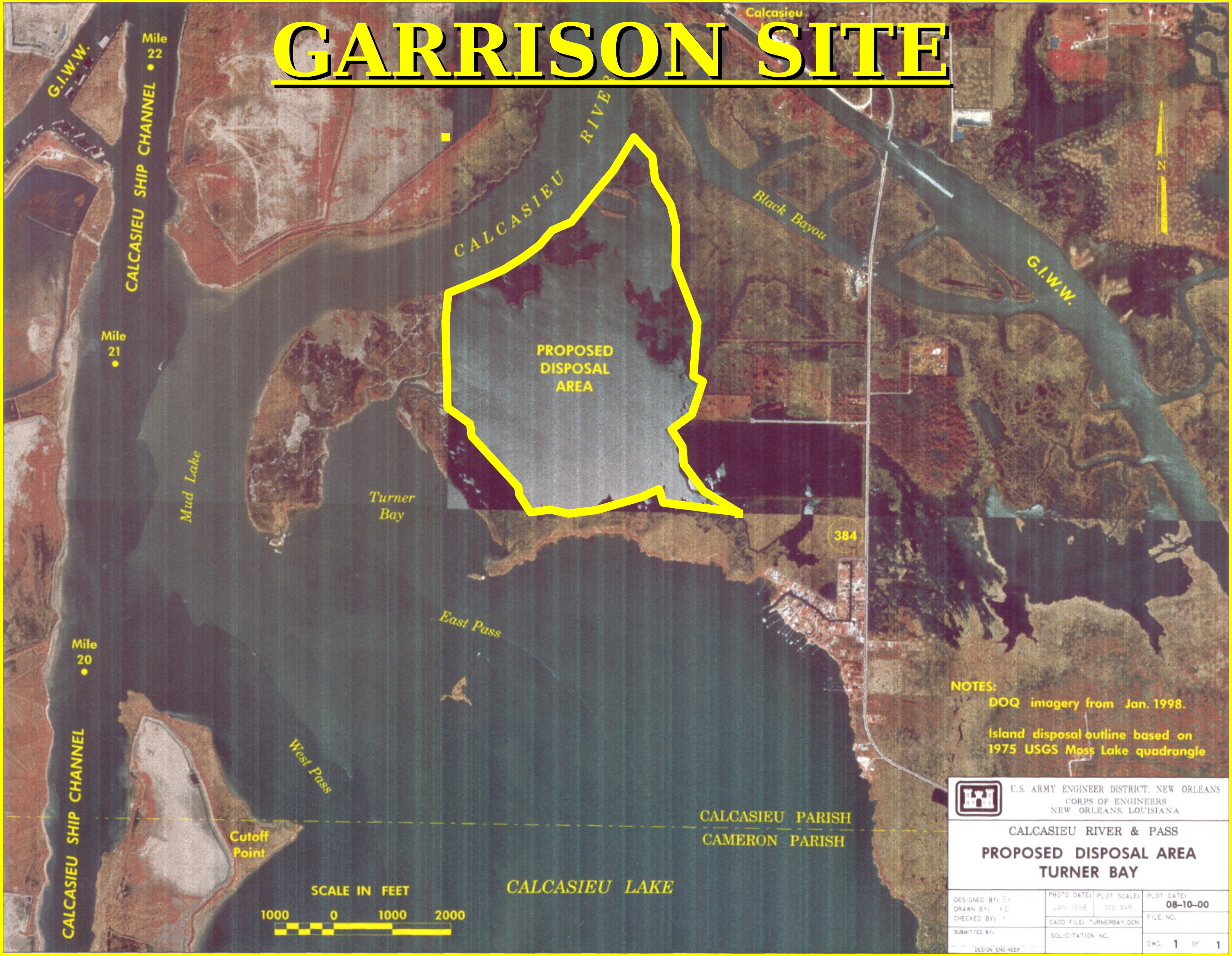
Calcasieu River and Pass

CWPPRA PPL8 Sabine Refuge Marsh Creation Project


SNWR Boundary
Cycle 1
Second ary
Primar y
Calcasieu Ship Channel
Calcasieu Lake
🟥 Cycle 2 Placement Area
🟩 FY 2001 Placement Area (Cycle 1)

Beneficial Use Disposal Areas Environmentally Cleared But Not Yet Used

GARRISON SITE


Calcasieu
G.I.W.W.
Mile 22
CALCASIEU SHIP CHANNEL
CALCASIEU RIVER
Black Bayou
N
G.I.W.W.
Mile 21
PROPOSED DISPOSAL AREA
Mud Lake
Turner Bay
384
East Pass
Mile 20
West Pass
CALCASIEU PARISH
CAMERON PARISH
Cutoff Point
CALCASIEU SHIP CHANNEL
CALCASIEU LAKE
SCALE IN FEET
1000 0 1000 2000

NOTES:
DOQ imagery from Jan. 1998.

Island disposal outline based on 1975 USGS Moss Lake quadrangle

U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS
CORPS OF ENGINEERS
NEW ORLEANS, LOUISIANA

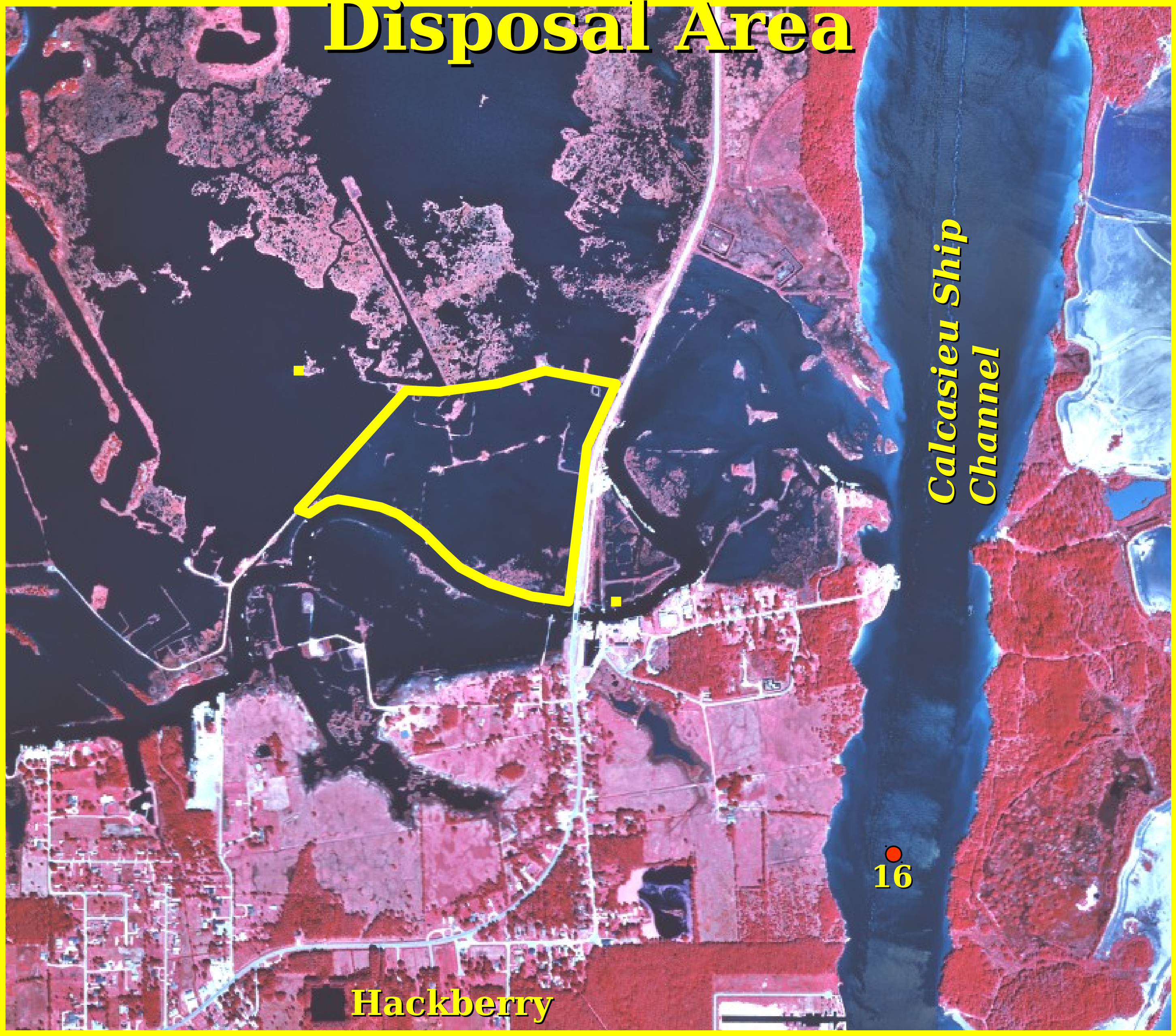
CALCASIEU RIVER & PASS
PROPOSED DISPOSAL AREA
TURNER BAY

DESIGNED BY: EK
DRAWN BY: KD
CHECKED BY: X
SUBMITTED BY:
DESIGN ENGINEER

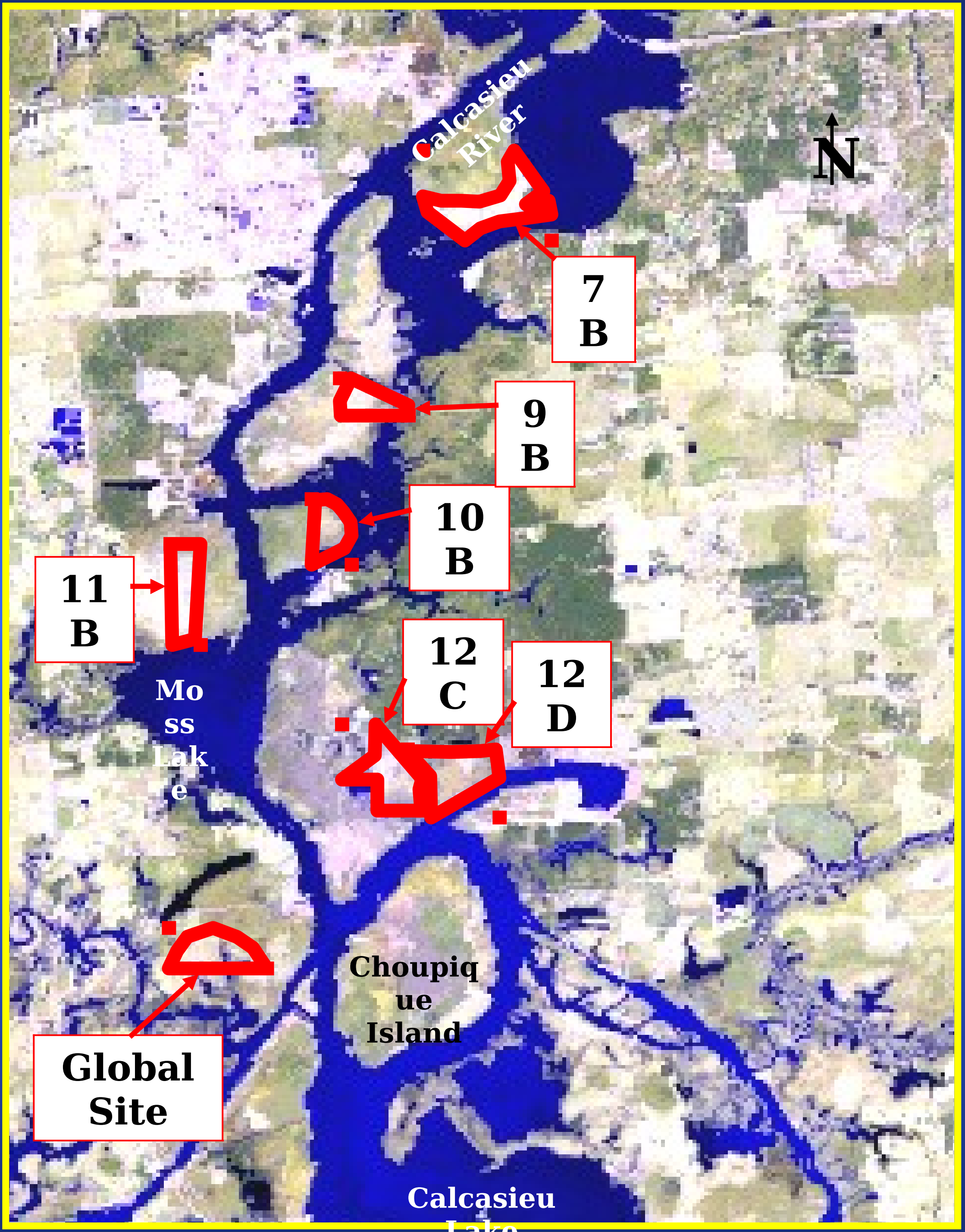
PHOTO DATE: JAN 1998
PLOT SCALE: SEE BAR
CADD FILE: TURNERBAY.DGN
SOLICITATION NO.

PLOT DATE: 08-10-00
FILE NO.
DWG. 1 OF 1

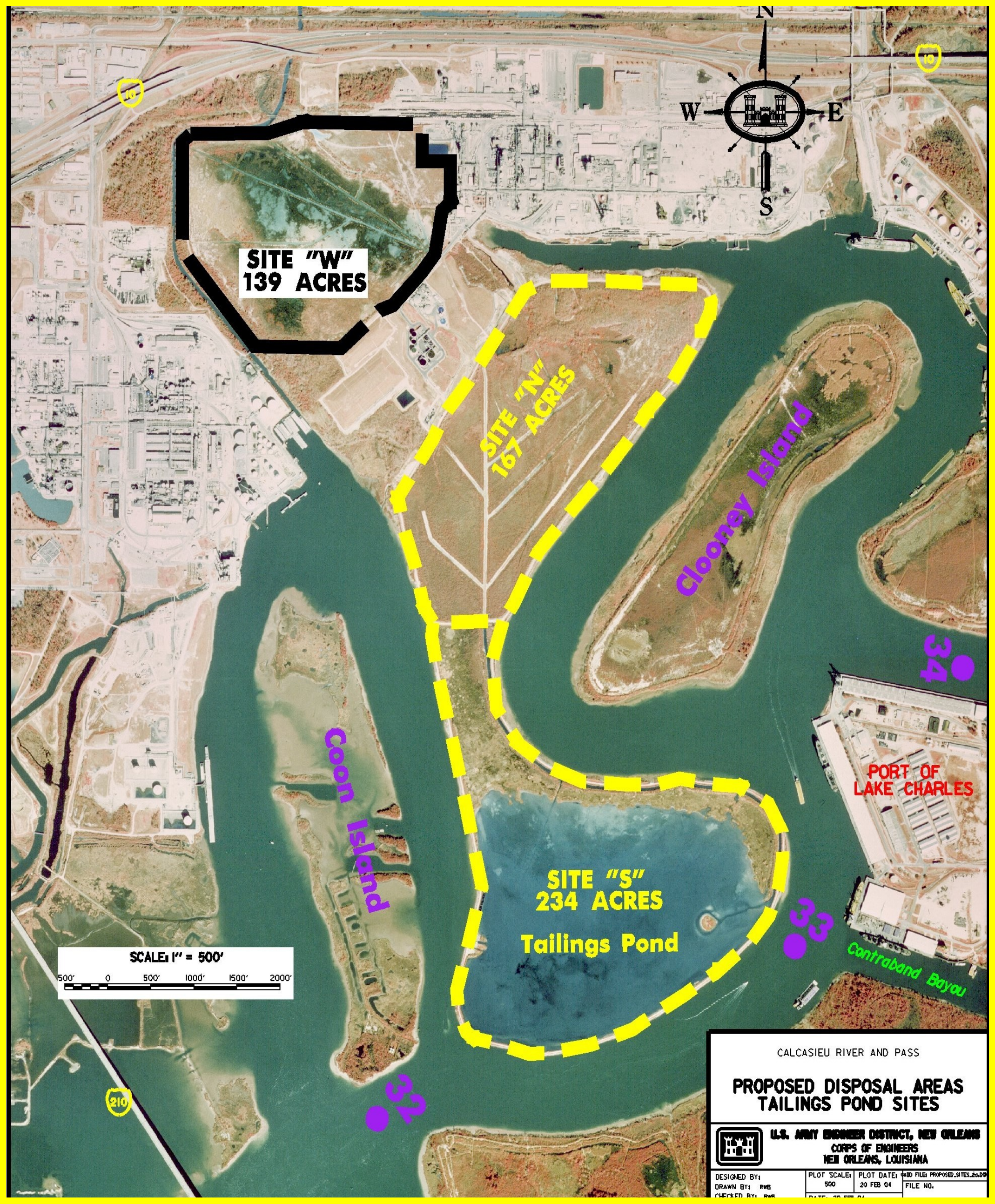
Hilcorp Beneficial Use Disposal Area


Calcasieu Ship Channel
16
Hackberry

2004 Scoping Effort to Locate Additional Disposal Areas


Calcasieu River
N
7 B
9 B
10 B
11 B
12 C
12 D
Moss Lake
Global Site
Choupique Island
Calcasieu Lake

OLIN TAILINGS POND

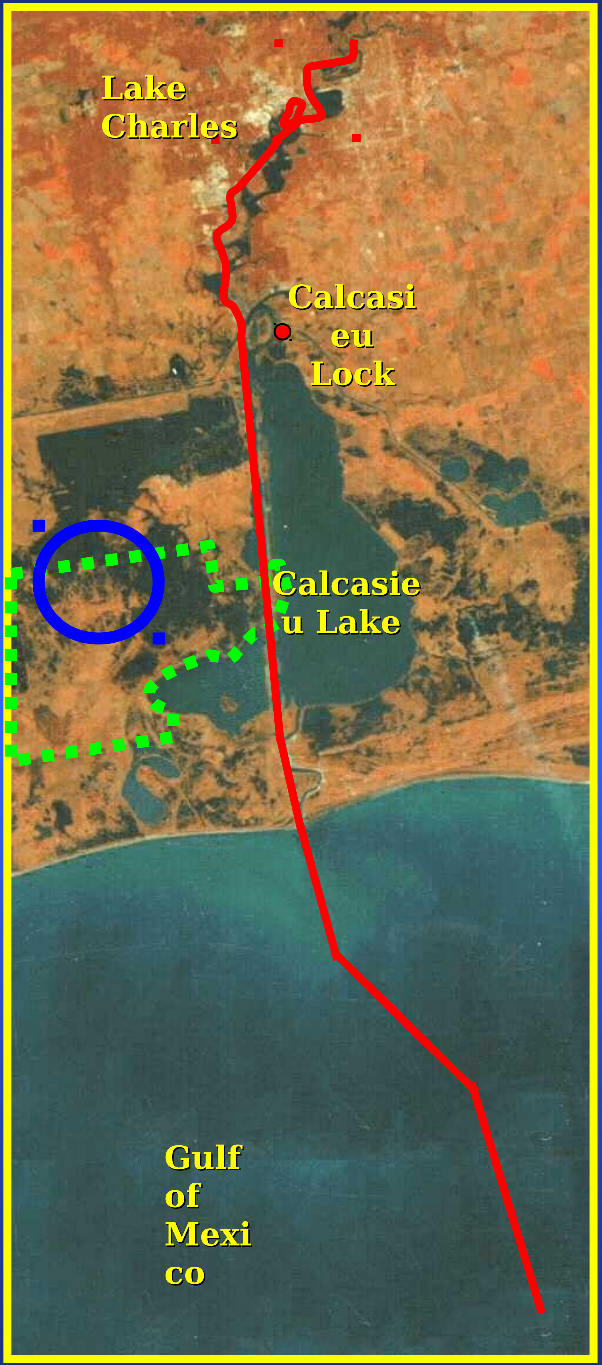

N
W
E
S
10
10
SITE "W"
139 ACRES
SITE "N"
167 ACRES
Clooney Island
Coon Island
34
PORT OF
LAKE CHARLES
SITE "S"
234 ACRES
Tailings Pond
33
Contraband Bayou
SCALE: 1" = 500'
500' 0 500' 1000' 1500' 2000'
32
210
CALCASIEU RIVER AND PASS
PROPOSED DISPOSAL AREAS
TAILINGS POND SITES
U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS
CORPS OF ENGINEERS
NEW ORLEANS, LOUISIANA
DESIGNED BY:
DRAWN BY: RWB
CHECKED BY: RWB
PLOT SCALE: 500
PLOT DATE: 20 FEB 04
ADD FILE: PROPOSED_SITES_2a.DG
FILE NO.

Proposed

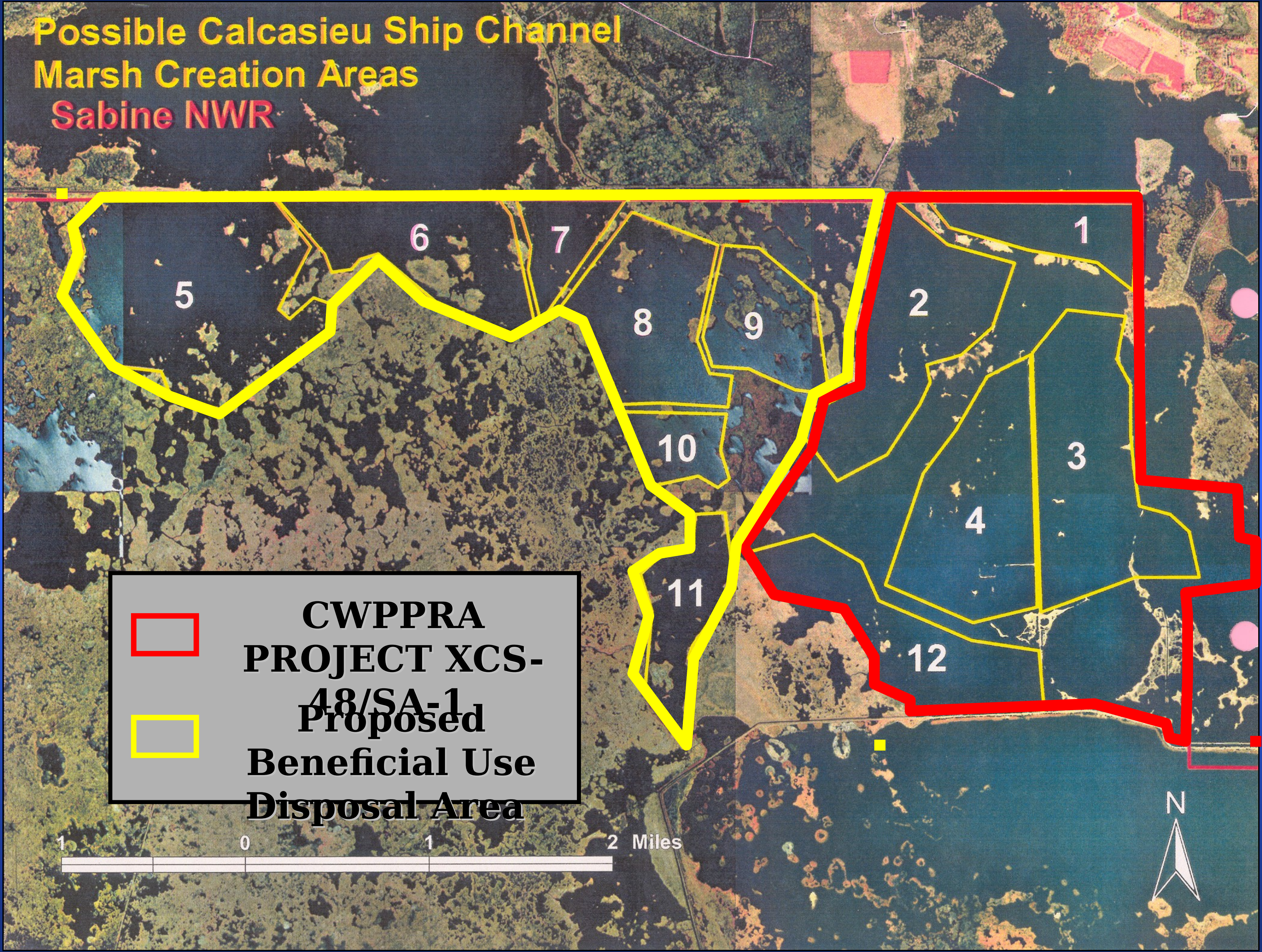
Beneficial Use Disposal Areas Not Yet Environmentally Cleared

CALCASIEU RIVER and PASS, LA

Sabine National Wildlife Refuge

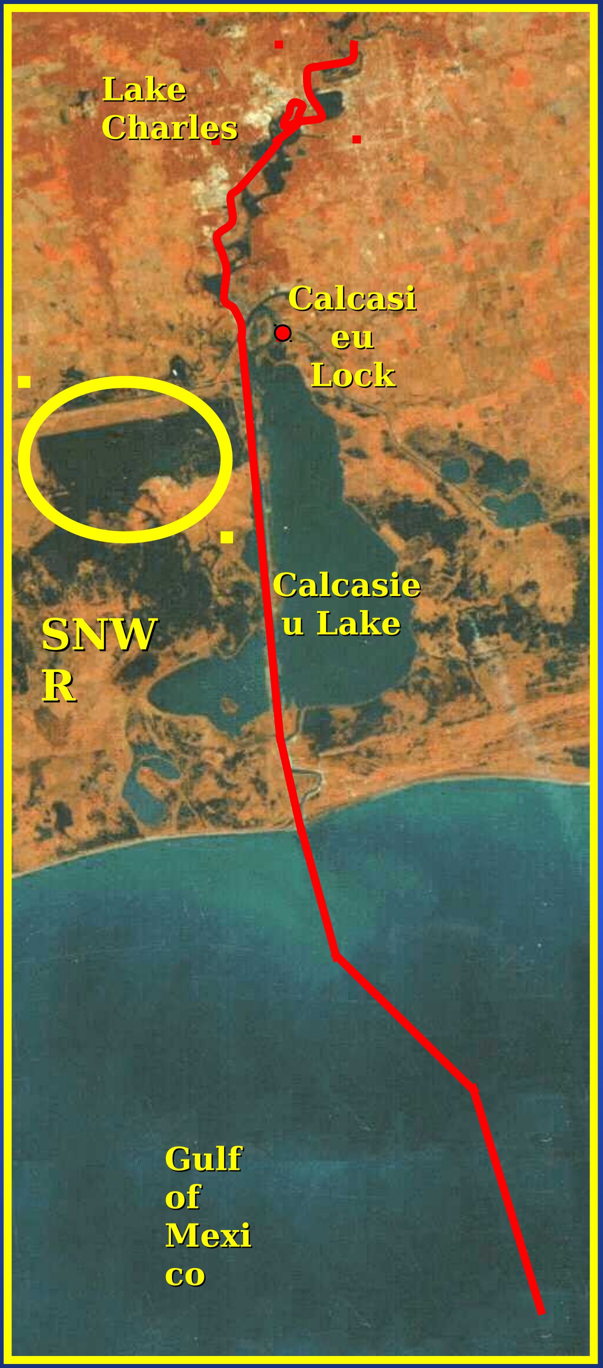

Lake Charles
Calcasieu Lock
Calcasieu Lake
Gulf of Mexico

- 🟥 Calcasieu River and Pass Navigational Channel
- 🟩 Sabine National Wildlife Refuge
- ○ Proposed Beneficial Use Disposal Area


Possible Calcasieu Ship Channel
Marsh Creation Areas
Sabine NWR
1
2
3
4
5
6
7
8
9
10
11
12
1
0
1
2 Miles
N

🟥 CWPPRA PROJECT XCS-48/SA-1

🟨 Proposed Beneficial Use Disposal Area


Lake Charles
Calcasieu Lock
SNWR
Calcasieu Lake
Gulf of Mexico

CALCASIEU RIVER and PASS, LA

Black Lake Vicinity

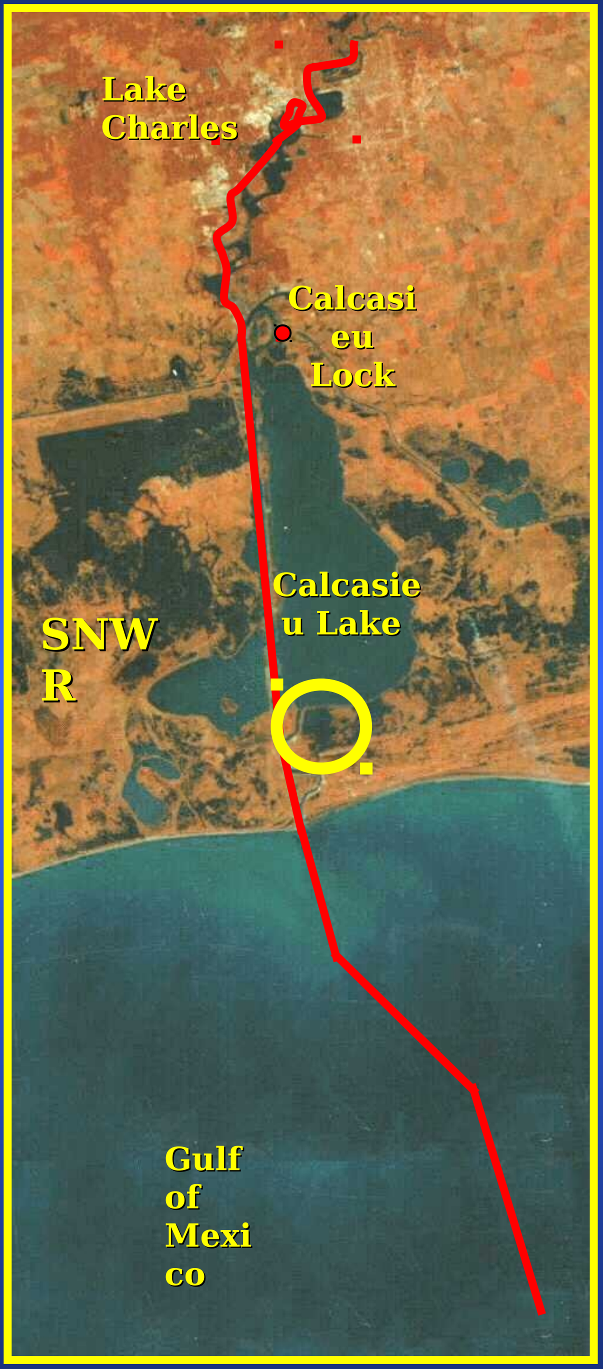
— Calcasieu River and Pass Navigational Channel

○ Proposed Beneficial Use Disposal Area

Black Lake

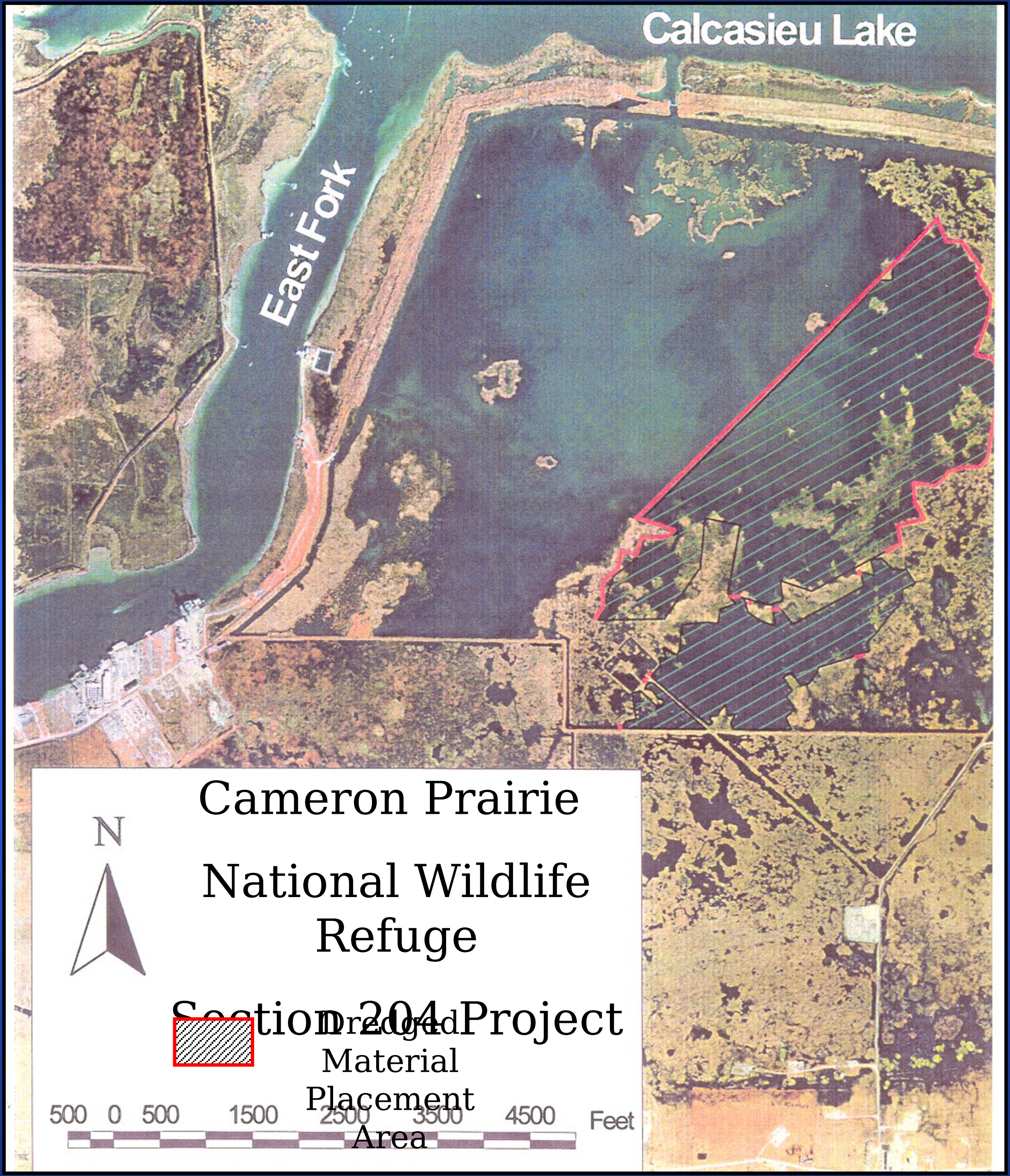
CALCASIEU RIVER and PASS, LA

Cameron Prairie National Wildlife Refuge


Lake Charles
Calcasieu Lock
Calcasieu Lake
SNWR
Gulf of Mexico

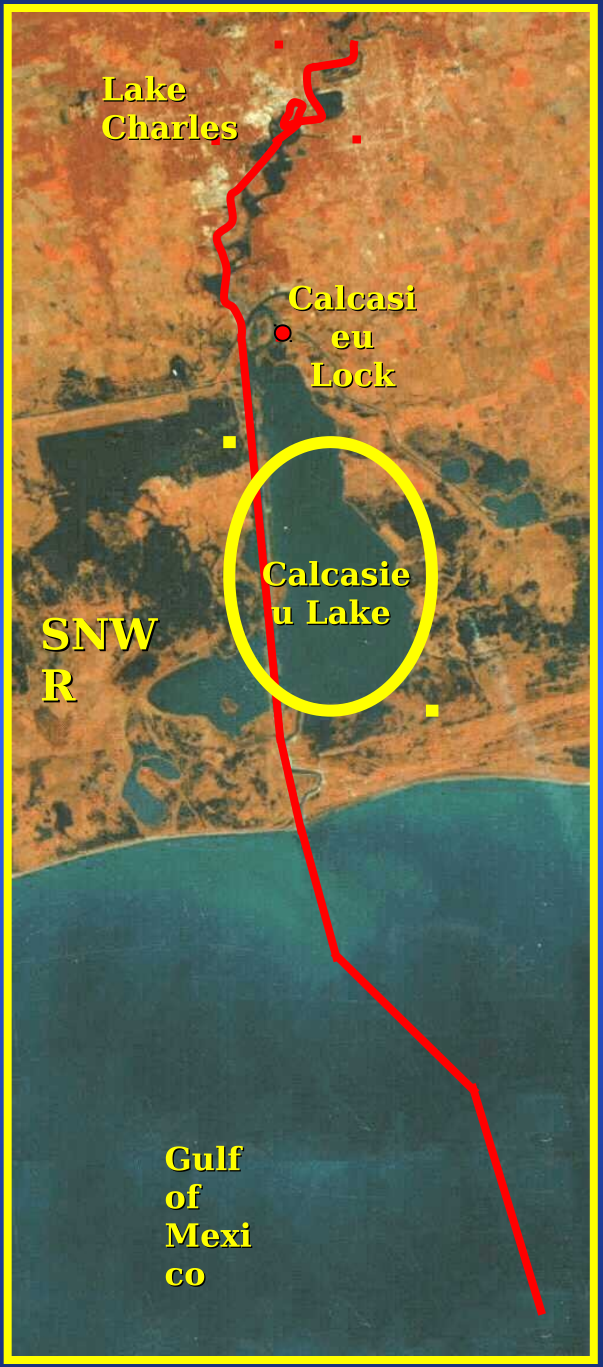
— Calcasieu River and Pass Navigational Channel

○ Proposed Beneficial Use Disposal Area


Calcasieu Lake
East Fork
N
500 0 500 1500 2500 3500 4500
Feet

Cameron Prairie National Wildlife Refuge Section 204 Project

▨ Dredged Material Placement Area

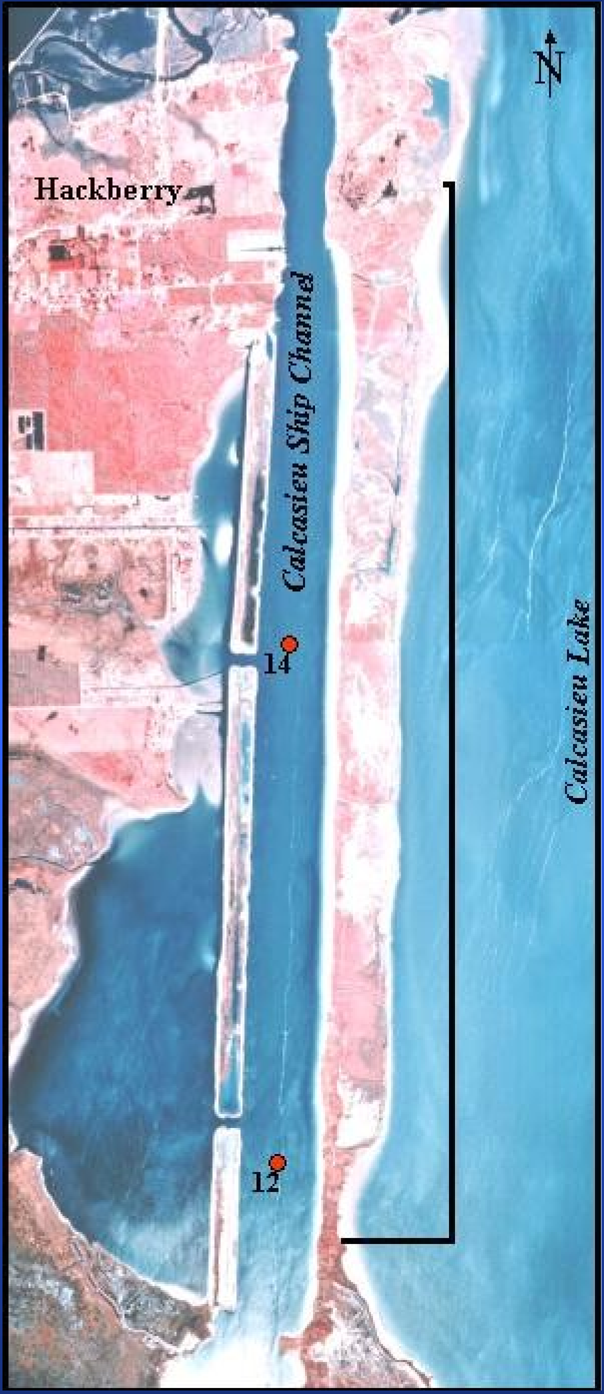

Lake Charles
Calcasieu Lock
Calcasieu Lake
SNWR
Gulf of Mexico

CALCASIEU RIVER and PASS, LA

Calcasieu Lake

— **Calcasieu River and Pass Navigational Channel**

○ **Proposed Beneficial Use Disposal Area**



N
Hackberry
Calcasieu Ship Channel
14
12
Calcasieu Lake